

State of California  
The Resources Agency

DEPARTMENT OF WATER RESOURCES  
Division of Operations and Maintenance

# STATE WATER PROJECT OPERATIONS DATA

For the month of:  
**June 2003**

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Governor  
**State of California**

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**The Resources Agency**

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Publication Date: January 7, 2004

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## **MONTHLY HIGHLIGHTS**

The following highlights are activities or actions that impacted State Water Project operations during the month of June 2003.

Statewide precipitation was 110 percent of average for the 2002-2003 water year through June. Statewide runoff was 105 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "[http://cdec.water.ca.gov/snow\\_rain.html](http://cdec.water.ca.gov/snow_rain.html)".

On June 30, total storage in major SWP reservoirs was about 4.71 MAF, compared with about 3.49 MAF at this time in 2002. The average storage in the major SWP reservoirs at the end of June is about 4.24 MAF. The June 30 storage at Lake Oroville was about 3.48 MAF as compared to 2.35 MAF last year. The State's share of San Luis Reservoir storage was about 558 TAF, as compared with 488 TAF at this time last year. On June 30, the combined storage in our southern reservoirs was about 679 TAF, compared with about 652 TAF at this time last year.

Through June, SWP water deliveries for 2003 were about 1.32 MAF. This is a combination of project, transfer, and exchange waters. This is 108 TAF less than that delivered during the same period in 2002.

As salmon concerns abated, exports were increased to maximum. The E/I ratio was relaxed at the end of the month to secure some water for the EWA.

**Table 1. Antelope Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

**June 2003**

| Date           | Water Surface Elevation (in feet) | Storage | Storage Change | Outflow in cfs     |                       |             |       |                                      |               | Computed Inflow (cfs) |  |
|----------------|-----------------------------------|---------|----------------|--------------------|-----------------------|-------------|-------|--------------------------------------|---------------|-----------------------|--|
|                |                                   |         |                | Regulated Release  |                       |             | Spill | Estimated Evaporation And Seepage 1/ | Total Outflow |                       |  |
|                |                                   |         |                | Stream-flow Maint. | Water Supply Contract | Water Right |       |                                      |               |                       |  |
| May 31         | 5002.74                           | 23,257  |                |                    |                       |             |       |                                      |               |                       |  |
| 1              | 5002.70                           | 23,219  | -38            | 0                  | 0                     | 0           | 78    | 6                                    | 84            | 65                    |  |
| 2              | 5002.66                           | 23,182  | -37            | 0                  | 0                     | 0           | 71    | 6                                    | 77            | 58                    |  |
| 3              | 5002.62                           | 23,144  | -38            | 0                  | 0                     | 0           | 64    | 6                                    | 70            | 51                    |  |
| 4              | 5002.58                           | 23,106  | -38            | 0                  | 0                     | 0           | 58    | 6                                    | 64            | 45                    |  |
| 5              | 5002.55                           | 23,078  | -28            | 0                  | 0                     | 0           | 53    | 6                                    | 59            | 45                    |  |
| 6              | 5002.55                           | 23,078  | 0              | 0                  | 0                     | 0           | 53    | 6                                    | 59            | 59                    |  |
| 7              | 5002.52                           | 23,050  | -28            | 0                  | 0                     | 0           | 48    | 6                                    | 54            | 40                    |  |
| 8              | 5002.49                           | 23,022  | -28            | 0                  | 0                     | 0           | 44    | 6                                    | 50            | 36                    |  |
| 9              | 5002.45                           | 22,984  | -38            | 0                  | 0                     | 0           | 38    | 6                                    | 44            | 25                    |  |
| 10             | 5002.43                           | 23,012  | 28             | 0                  | 0                     | 0           | 36    | 6                                    | 42            | 56                    |  |
| 11             | 5002.41                           | 22,947  | -65            | 10                 | 0                     | 0           | 33    | 6                                    | 49            | 16                    |  |
| 12             | 5002.37                           | 22,909  | -38            | 20                 | 0                     | 0           | 28    | 6                                    | 54            | 35                    |  |
| 13             | 5002.33                           | 22,872  | -37            | 20                 | 0                     | 0           | 24    | 6                                    | 50            | 31                    |  |
| 14             | 5002.28                           | 22,825  | -47            | 20                 | 0                     | 0           | 18    | 6                                    | 44            | 20                    |  |
| 15             | 5002.25                           | 22,797  | -28            | 20                 | 0                     | 0           | 15    | 6                                    | 41            | 27                    |  |
| 16             | 5002.24                           | 22,788  | -9             | 20                 | 0                     | 0           | 14    | 6                                    | 40            | 35                    |  |
| 17             | 5002.20                           | 22,750  | -38            | 20                 | 0                     | 0           | 10    | 6                                    | 36            | 17                    |  |
| 18             | 5002.16                           | 22,713  | -37            | 20                 | 0                     | 0           | 7     | 6                                    | 33            | 14                    |  |
| 19             | 5002.12                           | 22,676  | -37            | 20                 | 0                     | 0           | 5     | 6                                    | 31            | 12                    |  |
| 20             | 5002.08                           | 22,639  | -37            | 20                 | 0                     | 0           | 2     | 6                                    | 28            | 9                     |  |
| 21             | 5002.04                           | 22,601  | -38            | 20                 | 0                     | 0           | 1     | 6                                    | 27            | 8                     |  |
| 22             | 5002.00                           | 22,564  | -37            | 20                 | 0                     | 0           | 0     | 6                                    | 26            | 7                     |  |
| 23             | 5001.99                           | 22,555  | -9             | 20                 | 0                     | 0           | 0     | 4                                    | 24            | 19                    |  |
| 24             | 5001.98                           | 22,546  | -9             | 20                 | 0                     | 0           | 0     | 4                                    | 24            | 19                    |  |
| 25             | 5001.94                           | 22,509  | -37            | 20                 | 0                     | 0           | 0     | 7                                    | 27            | 8                     |  |
| 26             | 5001.93                           | 22,499  | -10            | 20                 | 0                     | 0           | 0     | 4                                    | 24            | 19                    |  |
| 27             | 5001.89                           | 22,462  | -37            | 20                 | 0                     | 0           | 0     | 7                                    | 27            | 8                     |  |
| 28             | 5001.84                           | 22,416  | -46            | 20                 | 0                     | 0           | 0     | 7                                    | 27            | 4                     |  |
| 29             | 5001.80                           | 22,379  | -37            | 20                 | 0                     | 0           | 0     | 8                                    | 28            | 9                     |  |
| 30             | 5001.73                           | 22,314  | -65            | 20                 | 0                     | 0           | 0     | 15                                   | 35            | 2                     |  |
| Total cfs-days |                                   |         |                | ---                | 390                   | 0           | 700   | 188                                  | 1,278         | 803                   |  |
| Total ac-ft    |                                   |         |                | -943               | 774                   | 0           | 1,388 | 373                                  | 2,535         | 1,592                 |  |

**Table 2. Frenchman Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

**June 2003**

| Date           | Water Surface Elevation (in feet) | Storage | Storage Change | Outflow in cfs     |                       |             |       |                                   | Computed Inflow (cfs) |  |
|----------------|-----------------------------------|---------|----------------|--------------------|-----------------------|-------------|-------|-----------------------------------|-----------------------|--|
|                |                                   |         |                | Regulated Release  |                       |             | Spill | Estimated Evaporation And Seepage |                       |  |
|                |                                   |         |                | Stream-flow Maint. | Water Supply Contract | Water Right |       |                                   |                       |  |
| May 31         | 5572.47                           | 34,176  |                |                    |                       |             |       |                                   |                       |  |
| 1              | 5572.30                           | 34,013  | -163           | 0                  | 87                    | 0           | 0     | 6                                 | 93                    |  |
| 2              | 5572.15                           | 33,838  | -175           | 0                  | 86                    | 0           | 0     | 6                                 | 92                    |  |
| 3              | 5572.05                           | 33,688  | -150           | 0                  | 85                    | 0           | 0     | 6                                 | 91                    |  |
| 4              | 5571.92                           | 33,537  | -151           | 0                  | 70                    | 0           | 0     | 7                                 | 77                    |  |
| 5              | 5571.80                           | 33,399  | -138           | 0                  | 62                    | 0           | 0     | 11                                | 73                    |  |
| 6              | 5571.68                           | 33,261  | -138           | 0                  | 58                    | 0           | 0     | 13                                | 71                    |  |
| 7              | 5571.57                           | 33,135  | -126           | 0                  | 56                    | 0           | 0     | 11                                | 67                    |  |
| 8              | 5571.46                           | 33,009  | -126           | 0                  | 56                    | 0           | 0     | 11                                | 67                    |  |
| 9              | 5571.38                           | 32,918  | -91            | 0                  | 39                    | 0           | 0     | 11                                | 50                    |  |
| 10             | 5571.33                           | 32,861  | -57            | 0                  | 27                    | 0           | 0     | 11                                | 38                    |  |
| 11             | 5571.27                           | 32,792  | -69            | 0                  | 26                    | 0           | 0     | 11                                | 37                    |  |
| 12             | 5571.22                           | 32,736  | -56            | 0                  | 26                    | 0           | 0     | 11                                | 37                    |  |
| 13             | 5571.15                           | 32,656  | -80            | 0                  | 28                    | 0           | 0     | 13                                | 41                    |  |
| 14             | 5571.09                           | 32,588  | -68            | 0                  | 29                    | 0           | 0     | 11                                | 40                    |  |
| 15             | 5571.06                           | 32,554  | -34            | 0                  | 29                    | 0           | 0     | 11                                | 40                    |  |
| 16             | 5570.98                           | 32,464  | -90            | 0                  | 35                    | 0           | 0     | 11                                | 46                    |  |
| 17             | 5570.92                           | 32,396  | -68            | 0                  | 28                    | 0           | 0     | 11                                | 39                    |  |
| 18             | 5570.87                           | 32,339  | -57            | 0                  | 23                    | 0           | 0     | 11                                | 34                    |  |
| 19             | 5570.79                           | 32,249  | -90            | 0                  | 31                    | 0           | 0     | 15                                | 46                    |  |
| 20             | 5570.73                           | 32,182  | -67            | 0                  | 28                    | 0           | 0     | 11                                | 39                    |  |
| 21             | 5570.66                           | 32,103  | -79            | 0                  | 25                    | 0           | 0     | 16                                | 41                    |  |
| 22             | 5570.60                           | 32,036  | -67            | 0                  | 25                    | 0           | 0     | 11                                | 36                    |  |
| 23             | 5570.54                           | 31,969  | -67            | 0                  | 25                    | 0           | 0     | 11                                | 36                    |  |
| 24             | 5570.47                           | 31,891  | -78            | 0                  | 25                    | 0           | 0     | 17                                | 42                    |  |
| 25             | 5570.39                           | 31,801  | -90            | 0                  | 40                    | 0           | 0     | 11                                | 51                    |  |
| 26             | 5570.32                           | 31,723  | -78            | 0                  | 48                    | 0           | 0     | 11                                | 59                    |  |
| 27             | 5570.25                           | 31,646  | -77            | 0                  | 43                    | 0           | 0     | 10                                | 53                    |  |
| 28             | 5570.18                           | 31,568  | -78            | 0                  | 39                    | 0           | 0     | 10                                | 49                    |  |
| 29             | 5570.10                           | 31,479  | -89            | 0                  | 39                    | 0           | 0     | 11                                | 50                    |  |
| 30             | 5570.03                           | 31,403  | -76            | 0                  | 39                    | 0           | 0     | 11                                | 50                    |  |
| Total cfs-days |                                   |         |                | ---                | 0                     | 1,257       | 0     | 0                                 | 328                   |  |
| Total ac-ft    |                                   |         |                | -2,773             | 0                     | 2,493       | 0     | 0                                 | 650                   |  |
|                |                                   |         |                |                    |                       |             |       |                                   | 3,143                 |  |
|                |                                   |         |                |                    |                       |             |       |                                   | 370                   |  |

**Table 3. Lake Davis**

Daily Operation  
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

**June 2003**

| Date           | Water Surface Elevation (in feet) | Storage | Storage Change | Outflow in cfs     |                       |             |       |                                   |               | Computed Inflow (cfs) |  |
|----------------|-----------------------------------|---------|----------------|--------------------|-----------------------|-------------|-------|-----------------------------------|---------------|-----------------------|--|
|                |                                   |         |                | Regulated Release  |                       |             | Spill | Estimated Evaporation And Seepage | Total Outflow |                       |  |
|                |                                   |         |                | Stream-flow Maint. | Water Supply Contract | Water Right |       |                                   |               |                       |  |
| May 31         | 5767.75                           | 57,884  |                |                    |                       |             |       |                                   |               |                       |  |
| 1              | 5767.74                           | 57,851  | -33            | 6                  | 0                     | 4           | 0     | 10                                | 20            | 3                     |  |
| 2              | 5767.74                           | 57,851  | 0              | 6                  | 0                     | 4           | 0     | 12                                | 22            | 22                    |  |
| 3              | 5767.73                           | 57,818  | -33            | 6                  | 0                     | 4           | 0     | 15                                | 25            | 8                     |  |
| 4              | 5767.73                           | 57,818  | 0              | 6                  | 0                     | 4           | 0     | 9                                 | 19            | 19                    |  |
| 5              | 5767.71                           | 57,753  | -65            | 6                  | 0                     | 4           | 0     | 23                                | 33            | 0                     |  |
| 6              | 5767.69                           | 57,687  | -66            | 6                  | 0                     | 4           | 0     | 23                                | 33            | 0                     |  |
| 7              | 5767.68                           | 57,655  | -32            | 6                  | 0                     | 4           | 0     | 14                                | 24            | 8                     |  |
| 8              | 5767.66                           | 57,589  | -66            | 6                  | 0                     | 4           | 0     | 24                                | 34            | 1                     |  |
| 9              | 5767.62                           | 57,459  | -130           | 6                  | 0                     | 4           | 0     | 58                                | 68            | 2                     |  |
| 10             | 5767.59                           | 57,361  | -98            | 6                  | 0                     | 4           | 0     | 40                                | 50            | 1                     |  |
| 11             | 5767.57                           | 57,296  | -65            | 7                  | 0                     | 3           | 0     | 32                                | 42            | 9                     |  |
| 12             | 5767.53                           | 57,165  | -131           | 9                  | 0                     | 1           | 0     | 60                                | 70            | 4                     |  |
| 13             | 5767.50                           | 57,068  | -97            | 10                 | 0                     | 0           | 0     | 40                                | 50            | 1                     |  |
| 14             | 5767.48                           | 57,003  | -65            | 10                 | 0                     | 0           | 0     | 28                                | 38            | 5                     |  |
| 15             | 5767.45                           | 56,906  | -97            | 10                 | 0                     | 0           | 0     | 45                                | 55            | 6                     |  |
| 16             | 5767.44                           | 56,873  | -33            | 10                 | 0                     | 0           | 0     | 16                                | 26            | 9                     |  |
| 17             | 5767.43                           | 56,841  | -32            | 9                  | 0                     | 1           | 0     | 14                                | 24            | 8                     |  |
| 18             | 5767.40                           | 56,744  | -97            | 9                  | 0                     | 1           | 0     | 40                                | 50            | 1                     |  |
| 19             | 5767.37                           | 56,647  | -97            | 10                 | 0                     | 0           | 0     | 42                                | 52            | 3                     |  |
| 20             | 5767.33                           | 56,517  | -130           | 8                  | 0                     | 2           | 0     | 60                                | 70            | 4                     |  |
| 21             | 5767.30                           | 56,421  | -96            | 5                  | 0                     | 5           | 0     | 42                                | 52            | 4                     |  |
| 22             | 5767.26                           | 56,292  | -129           | 5                  | 0                     | 5           | 0     | 60                                | 70            | 5                     |  |
| 23             | 5767.21                           | 56,131  | -161           | 6                  | 0                     | 4           | 0     | 75                                | 85            | 4                     |  |
| 24             | 5767.21                           | 56,131  | 0              | 6                  | 0                     | 4           | 0     | 17                                | 27            | 27                    |  |
| 25             | 5767.21                           | 56,131  | 0              | 6                  | 0                     | 4           | 0     | 18                                | 28            | 28                    |  |
| 26             | 5767.21                           | 56,131  | 0              | 6                  | 0                     | 4           | 0     | 16                                | 26            | 26                    |  |
| 27             | 5767.21                           | 56,131  | 0              | 6                  | 0                     | 4           | 0     | 18                                | 28            | 28                    |  |
| 28             | 5767.19                           | 56,066  | -65            | 6                  | 0                     | 4           | 0     | 24                                | 34            | 1                     |  |
| 29             | 5767.15                           | 55,938  | -128           | 6                  | 0                     | 5           | 0     | 57                                | 67            | 2                     |  |
| 30             | 5767.12                           | 55,842  | -96            | 6                  | 0                     | 5           | 0     | 47                                | 57            | 9                     |  |
| Total cfs-days |                                   |         |                | ---                | 203                   | 0           | 97    | 0                                 | 979           | 1,279                 |  |
| Total ac-ft    |                                   |         |                | -2,042             | 403                   | 0           | 192   | 0                                 | 1,942         | 2,537                 |  |
|                |                                   |         |                |                    |                       |             |       |                                   |               | 495                   |  |

**Table 4. Lake Oroville**

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

**June 2003**

| Date    | Water Surface Elevation (in feet) | Storage   | Storage Change | Outflow                        |               |                |        |               | Inflow                    |                    |
|---------|-----------------------------------|-----------|----------------|--------------------------------|---------------|----------------|--------|---------------|---------------------------|--------------------|
|         |                                   |           |                | Hyatt Powerplant Generation 1/ | Palermo Canal | Evaporation 2/ | Spill  | Total Outflow | Hyatt Powerplant Pumpback | Computed Inflow 3/ |
| May 31  | 898.43                            | 3,512,826 |                |                                |               |                |        |               |                           |                    |
|         | 1                                 | 898.77    | 3,518,175      | 5,349                          | 10,919        | 29             | 317    | 0             | 11,265                    | 0                  |
|         | 2                                 | 898.76    | 3,518,017      | -158                           | 15,570        | 29             | 389    | 0             | 15,988                    | 0                  |
|         | 3                                 | 898.83    | 3,519,120      | 1,103                          | 14,605        | 29             | 389    | 0             | 15,023                    | 0                  |
|         | 4                                 | 898.82    | 3,518,962      | -158                           | 15,404        | 29             | 362    | 0             | 15,795                    | 0                  |
|         | 5                                 | 898.95    | 3,521,009      | 2,047                          | 12,483        | 29             | 280    | 0             | 12,792                    | 0                  |
|         | 6                                 | 898.87    | 3,519,749      | -1,260                         | 13,858        | 29             | 308    | 0             | 14,195                    | 0                  |
|         | 7                                 | 899.19    | 3,524,791      | 5,042                          | 9,328         | 29             | 280    | 0             | 9,637                     | 0                  |
|         | 8                                 | 899.52    | 3,529,996      | 5,205                          | 8,482         | 30             | 262    | 0             | 8,774                     | 0                  |
|         | 9                                 | 899.53    | 3,530,154      | 158                            | 12,652        | 30             | 281    | 0             | 12,963                    | 0                  |
|         | 10                                | 899.48    | 3,529,365      | -789                           | 12,227        | 30             | 299    | 0             | 12,556                    | 0                  |
|         | 11                                | 899.38    | 3,527,788      | -1,577                         | 11,840        | 30             | 262    | 0             | 12,132                    | 0                  |
|         | 12                                | 899.22    | 3,525,264      | -2,524                         | 12,381        | 30             | 271    | 0             | 12,682                    | 0                  |
|         | 13                                | 898.95    | 3,521,010      | -4,254                         | 12,223        | 30             | 217    | 0             | 12,470                    | 0                  |
|         | 14                                | 899.17    | 3,524,476      | 3,466                          | 7,491         | 30             | 280    | 0             | 7,801                     | 0                  |
|         | 15                                | 899.39    | 3,527,944      | 3,468                          | 5,344         | 30             | 317    | 0             | 5,691                     | 0                  |
|         | 16                                | 899.17    | 3,524,476      | -3,468                         | 11,874        | 30             | 344    | 0             | 12,248                    | 0                  |
|         | 17                                | 898.90    | 3,520,222      | -4,254                         | 11,852        | 30             | 353    | 0             | 12,235                    | 0                  |
|         | 18                                | 898.94    | 3,520,852      | 630                            | 7,414         | 30             | 344    | 0             | 7,788                     | 0                  |
|         | 19                                | 898.94    | 3,520,852      | 0                              | 7,480         | 30             | 389    | 0             | 7,899                     | 0                  |
|         | 20                                | 898.90    | 3,520,222      | -630                           | 7,928         | 30             | 217    | 0             | 8,175                     | 0                  |
|         | 21                                | 899.18    | 3,524,633      | 4,411                          | 4,451         | 30             | 317    | 0             | 4,798                     | 0                  |
|         | 22                                | 899.32    | 3,526,841      | 2,208                          | 5,168         | 30             | 280    | 0             | 5,478                     | 0                  |
|         | 23                                | 899.24    | 3,525,580      | -1,261                         | 7,895         | 30             | 335    | 0             | 8,260                     | 0                  |
|         | 24                                | 898.94    | 3,520,852      | -4,728                         | 11,161        | 30             | 362    | 0             | 11,553                    | 0                  |
|         | 25                                | 898.57    | 3,515,028      | -5,824                         | 14,943        | 30             | 452    | 0             | 15,425                    | 0                  |
|         | 26                                | 898.13    | 3,508,110      | -6,918                         | 14,950        | 30             | 478    | 0             | 15,458                    | 0                  |
|         | 27                                | 897.17    | 3,493,052      | -15,058                        | 19,540        | 30             | 478    | 0             | 20,048                    | 0                  |
|         | 28                                | 896.61    | 3,484,289      | -8,763                         | 15,761        | 30             | 431    | 0             | 16,222                    | 0                  |
|         | 29                                | 896.03    | 3,475,229      | -9,060                         | 14,266        | 30             | 449    | 0             | 14,745                    | 0                  |
|         | 30                                | 895.14    | 3,461,360      | -13,869                        | 21,583        | 30             | 457    | 0             | 22,070                    | 0                  |
| Total   |                                   |           |                | -51,466                        | 351,073       | 893            | 10,200 | 0             | 362,166                   | 0                  |
| 310,700 |                                   |           |                |                                |               |                |        |               |                           |                    |

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay  
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation  
(in acre-feet except as noted)

**June 2003**

| Date   | Storage<br>1/ | Storage<br>Change | Inflow                             |                              |  | Outflow  |                       |                                      |                               |                                 | Losses (-)<br>And<br>Gains (+) |
|--------|---------------|-------------------|------------------------------------|------------------------------|--|--|-----------------------|--------------------------------------|-------------------------------|---------------------------------|--------------------------------|
|        |               |                   | Lake<br>Oroville<br>Releases<br>2/ | Kelly<br>Ridge<br>Generation | Thermalito<br>Pumping-<br>Generating Plant<br>Pumpback | Thermalito<br>Pumping-<br>Generating Plant<br>Generation<br>3/ | Butte<br>County<br>4/ | Thermalito<br>Irrigation<br>District | Releases<br>To<br>River<br>5/ | Hyatt<br>Powerplant<br>Pumpback |                                |
| May 31 | 23,286        |                   |                                    |                              |  |  |                       |                                      |                               |                                 |                                |
| 1      | 24,129        | 843               | 10,919                             | 506                          | 0  | 9,485  | 3                     | 12                                   | 1,233                         | 0                               | 151                            |
| 2      | 23,297        | -832              | 15,570                             | 504                          | 0  | 15,836   | 3                     | 12                                   | 1,232                         | 0                               | 177                            |
| 3      | 23,698        | 401               | 14,605                             | 504                          | 0  | 13,674   | 3                     | 12                                   | 1,233                         | 0                               | 214                            |
| 4      | 23,031        | -667              | 15,404                             | 508                          | 0  | 15,377   | 3                     | 12                                   | 1,315                         | 0                               | 128                            |
| 5      | 23,237        | 206               | 12,483                             | 502                          | 0  | 11,437   | 3                     | 12                                   | 1,392                         | 0                               | 65                             |
| 6      | 23,258        | 21                | 13,858                             | 444                          | 0  | 13,201   | 3                     | 12                                   | 1,304                         | 0                               | 239                            |
| 7      | 23,462        | 204               | 9,328                              | 496                          | 0  | 8,645  | 3                     | 12                                   | 1,216                         | 0                               | 256                            |
| 8      | 23,383        | -79               | 8,482                              | 512                          | 0  | 7,854  | 3                     | 12                                   | 1,220                         | 0                               | 16                             |
| 9      | 23,428        | 45                | 12,652                             | 510                          | 0  | 11,950   | 3                     | 12                                   | 1,229                         | 0                               | 77                             |
| 10     | 23,658        | 230               | 12,227                             | 540                          | 0  | 11,442   | 3                     | 12                                   | 1,231                         | 0                               | 151                            |
| 11     | 23,345        | -313              | 11,840                             | 470                          | 0  | 11,614   | 3                     | 12                                   | 1,234                         | 0                               | 240                            |
| 12     | 23,469        | 124               | 12,381                             | 508                          | 0  | 11,640   | 3                     | 12                                   | 1,231                         | 0                               | 121                            |
| 13     | 23,650        | 181               | 12,223                             | 450                          | 0  | 11,510   | 3                     | 12                                   | 1,236                         | 0                               | 269                            |
| 14     | 23,315        | -335              | 7,491                              | 500                          | 0  | 7,287  | 3                     | 12                                   | 1,236                         | 0                               | 212                            |
| 15     | 23,290        | -25               | 5,344                              | 512                          | 0  | 4,775  | 3                     | 12                                   | 1,236                         | 0                               | 145                            |
| 16     | 23,599        | 309               | 11,874                             | 504                          | 0  | 11,024   | 3                     | 12                                   | 1,234                         | 0                               | 204                            |
| 17     | 23,419        | -180              | 11,852                             | 454                          | 0  | 11,363   | 3                     | 12                                   | 1,234                         | 0                               | 126                            |
| 18     | 23,557        | 138               | 7,414                              | 426                          | 0  | 6,618  | 3                     | 12                                   | 1,236                         | 0                               | 167                            |
| 19     | 23,985        | 428               | 7,480                              | 506                          | 0  | 6,425  | 3                     | 12                                   | 1,237                         | 0                               | 119                            |
| 20     | 23,168        | -817              | 7,928                              | 508                          | 0  | 8,060  | 3                     | 12                                   | 1,240                         | 0                               | 62                             |
| 21     | 23,374        | 206               | 4,451                              | 508                          | 0  | 3,499  | 3                     | 12                                   | 1,237                         | 0                               | -2                             |
| 22     | 23,976        | 602               | 5,168                              | 508                          | 0  | 3,824  | 3                     | 12                                   | 1,234                         | 0                               | -1                             |
| 23     | 23,681        | -295              | 7,895                              | 508                          | 0  | 7,523  | 3                     | 12                                   | 1,231                         | 0                               | 71                             |
| 24     | 23,280        | -401              | 11,161                             | 494                          | 0  | 10,810   | 3                     | 13                                   | 1,233                         | 0                               | 3                              |
| 25     | 24,189        | 909               | 14,943                             | 488                          | 0  | 13,454   | 4                     | 13                                   | 1,231                         | 0                               | 180                            |
| 26     | 23,247        | -942              | 14,950                             | 466                          | 0  | 15,242   | 4                     | 13                                   | 1,235                         | 0                               | 136                            |
| 27     | 23,292        | 45                | 19,540                             | 500                          | 0  | 18,839   | 4                     | 13                                   | 1,227                         | 0                               | 88                             |
| 28     | 24,007        | 715               | 15,761                             | 512                          | 0  | 14,476   | 4                     | 13                                   | 1,227                         | 0                               | 162                            |
| 29     | 24,065        | 58                | 14,266                             | 506                          | 0  | 13,674   | 4                     | 13                                   | 1,235                         | 0                               | 212                            |
| 30     | 23,614        | -451              | 21,583                             | 506                          | 0  | 21,387   | 4                     | 13                                   | 1,241                         | 0                               | 105                            |
| Total  |               | 328               | 351,073                            | 14,860                       | 0  | 331,945  | 96                    | 367                                  | 37,290                        | 0                               | 4,093                          |

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

5/ The sum of the flows from fish barrier dam and the fish hatchery.

3/ Includes Bypass flows at Thermalito.

4/ Includes 5 AF entitlement water to Del Oro WD and 1 AF Recreation water to Lime Saddle Marina.

**Table 6. Thermalito Afterbay**

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

**June 2003**

| Date         | Water Surface Elevation (in feet) | Storage        | Storage Change | Inflow  |                    | Outflow               |                |               |                       |  | Losses (-) and Gains (+) | Total Releases to River 2/ |
|--------------|-----------------------------------|----------------|----------------|---|--------------------|-----------------------|----------------|---------------|-----------------------|--|--------------------------|----------------------------|
|              |                                   |                |                | Thermalito Pumping-Generating Plant Generation 1/ | Sutter Butte Canal | Western Canal Lateral | Richvale Canal | Western Canal | Afterbay River Outlet | Thermalito Pumping-Generating Plant Pumpback |                          |                            |
| May 31       | 133.97                            | 46,602         |                |   |                    |                       |                |               |                       |  |                          |                            |
| 1            | 132.91                            | 42,501         | -4,101         | 9,485   | 3,610              | 15                    | 851            | 2,381         | 6,743                 | 0  | 14                       | 7,976                      |
| 2            | 133.51                            | 44,801         | 2,300          | 15,836  | 3,531              | 8                     | 853            | 2,321         | 6,743                 | 0  | -80                      | 7,975                      |
| 3            | 133.66                            | 45,384         | 583            | 13,674  | 3,392              | 6                     | 831            | 2,222         | 6,724                 | 0  | 84                       | 7,957                      |
| 4            | 134.46                            | 48,550         | 3,166          | 15,377  | 3,332              | 8                     | 766            | 2,122         | 5,752                 | 0  | -231                     | 7,067                      |
| 5            | 134.38                            | 48,230         | -320           | 11,437  | 3,273              | 15                    | 696            | 1,964         | 5,751                 | 0  | -58                      | 7,143                      |
| 6            | 134.77                            | 49,802         | 1,572          | 13,201  | 3,134              | 18                    | 702            | 1,829         | 5,752                 | 0  | -194                     | 7,056                      |
| 7            | 134.16                            | 47,353         | -2,449         | 8,645   | 3,015              | 15                    | 710            | 1,624         | 5,752                 | 0  | 22                       | 6,968                      |
| 8            | 133.36                            | 44,220         | -3,133         | 7,854   | 2,975              | 18                    | 712            | 1,482         | 5,732                 | 0  | -68                      | 6,952                      |
| 9            | 133.63                            | 45,267         | 1,047          | 11,950  | 2,936              | 15                    | 635            | 1,484         | 5,752                 | 0  | -81                      | 6,981                      |
| 10           | 133.78                            | 45,854         | 587            | 11,442  | 2,916              | 15                    | 567            | 1,456         | 5,752                 | 0  | -149                     | 6,983                      |
| 11           | 134.04                            | 46,878         | 1,024          | 11,614  | 2,916              | 15                    | 512            | 1,363         | 5,752                 | 0  | -32                      | 6,986                      |
| 12           | 134.27                            | 47,791         | 913            | 11,640  | 2,856              | 18                    | 494            | 1,333         | 5,732                 | 0  | -294                     | 6,963                      |
| 13           | 134.69                            | 49,477         | 1,686          | 11,510  | 2,757              | 18                    | 494            | 1,333         | 4,741                 | 0  | -481                     | 5,977                      |
| 14           | 134.34                            | 48,070         | -1,407         | 7,287   | 2,757              | 12                    | 516            | 1,309         | 3,749                 | 0  | -351                     | 4,985                      |
| 15           | 133.33                            | 44,105         | -3,965         | 4,775   | 2,777              | 8                     | 492            | 1,283         | 3,749                 | 0  | -431                     | 4,985                      |
| 16           | 133.92                            | 46,405         | 2,300          | 11,024  | 2,797              | 8                     | 485            | 1,331         | 3,729                 | 0  | -374                     | 4,963                      |
| 17           | 134.69                            | 49,477         | 3,072          | 11,363  | 2,856              | 14                    | 485            | 1,382         | 3,332                 | 0  | -222                     | 4,566                      |
| 18           | 134.29                            | 47,870         | -1,607         | 6,618   | 2,916              | 14                    | 485            | 1,382         | 2,936                 | 0  | -492                     | 4,172                      |
| 19           | 133.93                            | 46,444         | -1,426         | 6,425   | 2,916              | 12                    | 520            | 1,412         | 2,757                 | 0  | -234                     | 3,994                      |
| 20           | 134.00                            | 46,721         | 277            | 8,060   | 2,916              | 14                    | 549            | 1,464         | 2,777                 | 0  | -63                      | 4,017                      |
| 21           | 132.75                            | 41,897         | -4,824         | 3,499   | 2,936              | 14                    | 551            | 1,515         | 2,757                 | 0  | -550                     | 3,994                      |
| 22           | 131.59                            | 37,639         | -4,258         | 3,824   | 2,955              | 16                    | 553            | 1,511         | 2,757                 | 0  | -290                     | 3,991                      |
| 23           | 131.40                            | 36,962         | -677           | 7,523   | 3,035              | 20                    | 551            | 1,482         | 2,777                 | 0  | -335                     | 4,008                      |
| 24           | 132.11                            | 39,521         | 2,559          | 10,810  | 2,995              | 28                    | 603            | 1,537         | 2,777                 | 0  | -311                     | 4,010                      |
| 25           | 133.23                            | 43,720         | 4,199          | 13,454  | 2,976              | 34                    | 645            | 1,605         | 3,630                 | 0  | -365                     | 4,861                      |
| 26           | 133.50                            | 44,762         | 1,042          | 15,242  | 2,995              | 36                    | 653            | 1,664         | 8,688                 | 0  | -164                     | 9,923                      |
| 27           | 133.21                            | 43,644         | -1,118         | 18,839  | 2,975              | 40                    | 655            | 1,714         | 13,825                | 0  | -748                     | 15,052                     |
| 28           | 131.44                            | 37,104         | -6,540         | 14,476  | 2,955              | 40                    | 682            | 1,730         | 14,737                | 0  | -872                     | 15,964                     |
| 29           | 129.33                            | 29,961         | -7,143         | 13,674  | 2,955              | 44                    | 690            | 1,730         | 14,718                | 0  | -680                     | 15,953                     |
| 30           | 129.47                            | 30,413         | 452            | 21,387  | 2,975              | 48                    | 692            | 1,765         | 14,718                | 0  | -737                     | 15,959                     |
| <b>Total</b> |                                   | <b>-16,189</b> |                | <b>331,945</b>                                    | <b>90,330</b>      | <b>586</b>            | <b>18,630</b>  | <b>48,730</b> | <b>181,091</b>        | <b>0</b>                                     | <b>-8,767</b>            | <b>218,381</b>             |

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

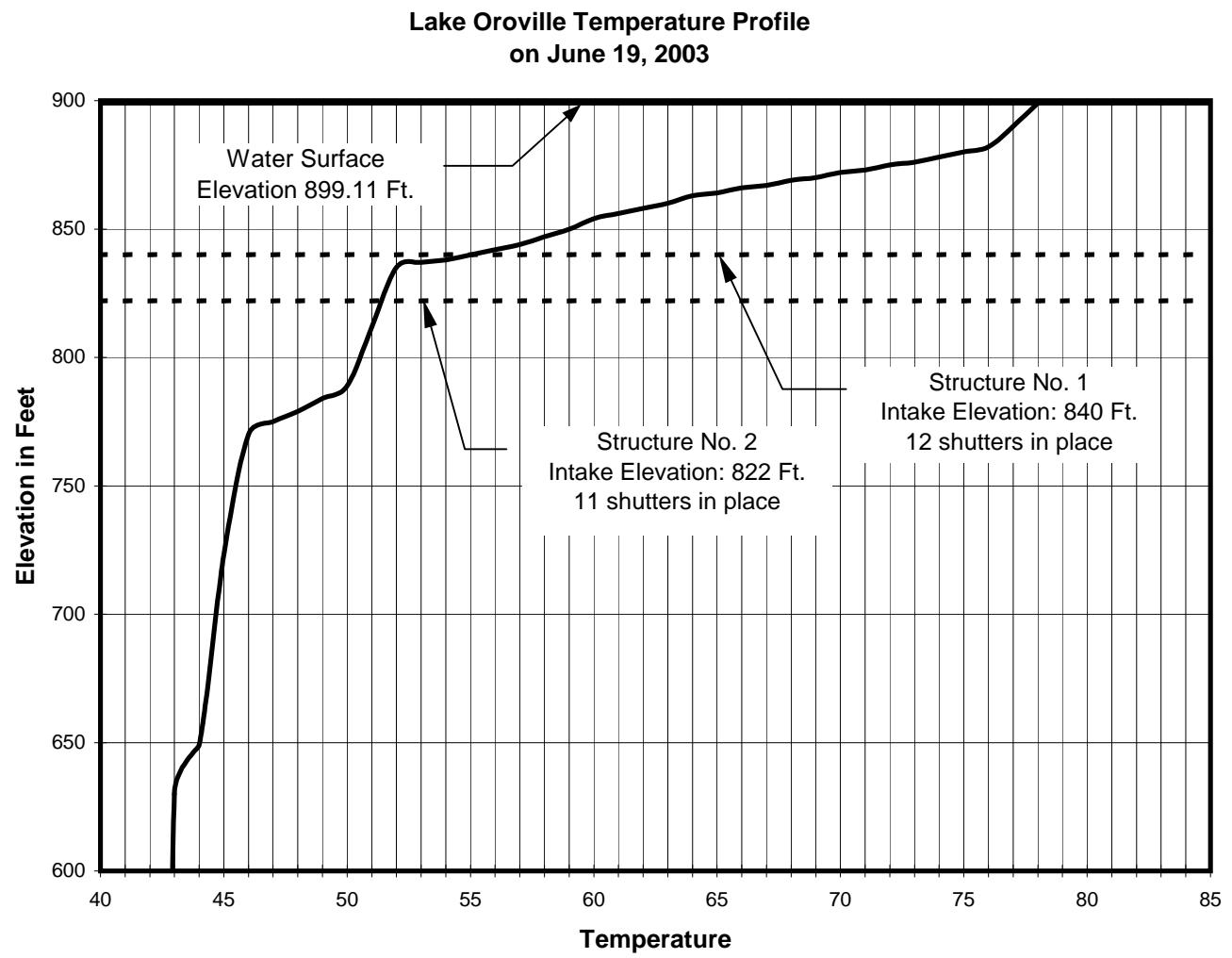
**Table 7. Oroville-Thermalito Complex**

Water Temperature Data

(in degrees Fahrenheit)

June 2003

| Date | Mean Daily Temperature           |                  |
|------|----------------------------------|------------------|
|      | Thermalito<br>Afterbay<br>Outlet | Fish<br>Hatchery |
| 1    | 65                               | 56               |
| 2    | 65                               | 55               |
| 3    | 64                               | 55               |
| 4    | 62                               | 55               |
| 5    | 62                               | 55               |
| 6    | 62                               | 55               |
| 7    | 63                               | 56               |
| 8    | 64                               | 56               |
| 9    | 64                               | 55               |
| 10   | 63                               | 56               |
| 11   | 64                               | 56               |
| 12   | 64                               | 57               |
| 13   | 63                               | 57               |
| 14   | 64                               | 57               |
| 15   | 65                               | 57               |
| 16   | 65                               | 57               |
| 17   | 64                               | 57               |
| 18   | 63                               | 57               |
| 19   | 63                               | 57               |
| 20   | 65                               | 57               |
| 21   | 66                               | 57               |
| 22   | 67                               | 57               |
| 23   | 69                               | 57               |
| 24   | 70                               | 58               |
| 25   | 70                               | 57               |
| 26   | 69                               | 57               |
| 27   | 67                               | 59               |
| 28   | 65                               | 59               |
| 29   | 64                               | 59               |
| 30   | 64                               | 59               |



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

**Table 8. North Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

(In acre-feet)

**June 2003**

| Reach No. | Operating Pool       |  |       | Turnout  | Total Diversions | Deliveries     |         |         |               |               |    |  |
|-----------|----------------------|--|-------|--|------------------|----------------|---------|---------|---------------|---------------|----|--|
|           | Beginning and Ending |  |       |  |                  | Table A Amount |         |         | Purch. Pool A | Purch. Pool B |    |  |
|           | No.                  | Structure                                  | Mile  |  |                  | M & I          | Benicia | Vallejo |               |               |    |  |
| 1         | 1                    | Barker Slough Pumping Plant                | 0.17  | (Into the North Bay Aqueduct)                        |                  | 5,840          | 1,834   | 341     | 383           | 345           |    |  |
|           |                      | Travis Surge Tank                          | 8.78  |  |                  |                |         |         |               |               |    |  |
|           |                      |  | 8.80  | Solano County Water Agency Travis Turnout            |                  | 341            |         |         |               |               |    |  |
|           |                      |  | 10.54 | Solano County Water Agency Fairfield / Vacaville 24" |                  | 383            |         |         |               |               |    |  |
|           |                      |  |       | Solano County Water Agency Fairfield / Vacaville 42" |                  | 2,179          |         |         |               |               |    |  |
|           |                      |  | 17.00 | Solano County Water Agency Central Solano            |                  | Stub           |         |         |               |               |    |  |
|           |                      | Cordelia Forebay                           | 21.23 |  |                  |                |         |         |               |               |    |  |
| 2         | 3A                   | Cordelia Pumping Plant & Cordelia Spillway | 21.30 |  |                  | 2,389          | 639     | 992     | 8             | 160           | 20 |  |
|           |                      | Napa Pipeline                              | 21.33 | Solano County Water Agency Vallejo                   |                  | 639            |         |         |               |               |    |  |
|           |                      |  |       | Solano County Water Agency Benicia                   |                  | 992            |         |         |               |               |    |  |
|           |                      | Cordelia Surge Tank                        | 23.33 |  |                  |                |         |         |               |               |    |  |
|           |                      | Creston Surge Tank Connection              | 25.65 |  |                  |                |         |         |               |               |    |  |
|           |                      |  | 26.95 | Napa County Flood Control & WCD American Canyon 2    |                  | 8              |         |         |               |               |    |  |
|           |                      |  | 27.27 | Napa County Flood Control & WCD American Canyon 3    |                  | 0              |         |         |               |               |    |  |
| 3B        | 2                    | Napa Terminal Tank                         | 27.58 | City of Napa   |                  | 535            | 355     | 215     | 160           | 20            |    |  |
|           |                      |  | 27.60 | Napa County Flood Control & WCD American Canyon 1    |                  | 215            |         |         |               |               |    |  |
|           |                      |  |       |  |                  |                |         |         |               |               |    |  |

**Table 9. Delta Field Division Plant Data**

(in acre-feet)

**June 2003**

| Date  | North Bay Aqueduct          |                        | California Aqueduct |         | South Bay Aqueduct      |                         |               |  |
|-------|-----------------------------|------------------------|---------------------|---------|-------------------------|-------------------------|---------------|--|
|       | Barker Slough Pumping Plant | Cordelia Pumping Plant | Banks Pumping Plant |         | South Bay Pumping Plant | Del Valle Pumping Plant |               |  |
|       |                             |                        | Total               | SWP     |                         | Into Lake               | Into Aqueduct | Gravity Flow Through Plant Into Aqueduct |
| 1     | 171                         | 55                     | 13,383              | 13,383  | 469                     | 0                       | 0             | 15                                       |
| 2     | 176                         | 66                     | 12,853              | 12,853  | 484                     | 0                       | 0             | 24                                       |
| 3     | 197                         | 76                     | 12,853              | 12,853  | 525                     | 0                       | 0             | 31                                       |
| 4     | 199                         | 70                     | 12,843              | 12,843  | 508                     | 0                       | 0             | 20                                       |
| 5     | 189                         | 83                     | 12,975              | 12,975  | 508                     | 0                       | 0             | 9  |
| 6     | 184                         | 75                     | 13,094              | 13,094  | 508                     | 0                       | 0             | 14                                       |
| 7     | 173                         | 71                     | 13,102              | 13,102  | 490                     | 0                       | 0             | 19                                       |
| 8     | 186                         | 67                     | 12,925              | 12,925  | 475                     | 0                       | 0             | 18                                       |
| 9     | 182                         | 72                     | 12,894              | 12,894  | 488                     | 0                       | 0             | 18                                       |
| 10    | 211                         | 103                    | 12,979              | 12,979  | 490                     | 0                       | 0             | 20                                       |
| 11    | 198                         | 86                     | 12,533              | 12,533  | 513                     | 0                       | 0             | 6  |
| 12    | 190                         | 75                     | 11,989              | 11,989  | 502                     | 0                       | 0             | 0  |
| 13    | 175                         | 67                     | 11,955              | 11,955  | 513                     | 0                       | 0             | 0  |
| 14    | 187                         | 78                     | 11,344              | 11,344  | 565                     | 0                       | 0             | 0  |
| 15    | 190                         | 76                     | 11,507              | 11,507  | 544                     | 0                       | 0             | 0  |
| 16    | 174                         | 57                     | 12,989              | 12,989  | 527                     | 0                       | 0             | 0  |
| 17    | 218                         | 90                     | 13,031              | 13,031  | 537                     | 0                       | 0             | 0  |
| 18    | 199                         | 73                     | 12,926              | 12,926  | 562                     | 0                       | 0             | 0  |
| 19    | 192                         | 80                     | 11,567              | 11,567  | 551                     | 0                       | 0             | 0  |
| 20    | 186                         | 78                     | 12,897              | 12,897  | 510                     | 0                       | 0             | 0  |
| 21    | 187                         | 77                     | 13,069              | 13,069  | 467                     | 0                       | 0             | 0  |
| 22    | 185                         | 79                     | 13,110              | 13,110  | 470                     | 0                       | 0             | 0  |
| 23    | 195                         | 78                     | 12,764              | 12,764  | 491                     | 0                       | 0             | 0  |
| 24    | 188                         | 79                     | 12,512              | 12,512  | 526                     | 0                       | 0             | 0  |
| 25    | 203                         | 73                     | 7,695               | 7,695   | 506                     | 0                       | 0             | 0  |
| 26    | 218                         | 89                     | 6,688               | 6,688   | 497                     | 0                       | 0             | 0  |
| 27    | 224                         | 110                    | 6,691               | 6,691   | 479                     | 0                       | 0             | 40                                       |
| 28    | 227                         | 97                     | 6,763               | 6,763   | 456                     | 0                       | 0             | 83                                       |
| 29    | 220                         | 104                    | 8,726               | 8,726   | 448                     | 0                       | 0             | 83                                       |
| 30    | 216                         | 105                    | 13,146              | 13,146  | 450                     | 0                       | 0             | 74                                       |
| Total | 5,840                       | 2,389                  | 353,803             | 353,803 | 15,059                  | 0                       | 0             | 474                                      |

**Table 10. Clifton Court Forebay**

Daily Operation of Gates

June 2003

| Date                              | Time   |        |        |        |        |        |        |        | Amount<br>of inflow<br>in Acre-Feet |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------------------------|
|                                   | Opened | Closed | Opened | Closed | Opened | Closed | Opened | Closed |                                     |
| 1                                 | ---    | 2:00   | 5:50   | 13:15  | 17:15  | ---    |        |        | 13,245                              |
| 2                                 | ---    | 3:00   | 5:30   | 13:40  | 18:25  | 23:51  |        |        | 13,070                              |
| 3                                 | 0:01   | 3:45   | 6:25   | 14:20  | 20:45  | ---    |        |        | 13,131                              |
| 4                                 | ---    | 4:30   | 7:00   | 15:15  | 20:00  | ---    |        |        | 13,237                              |
| 5                                 | ---    | 5:30   | 7:45   | 15:45  | 21:00  | ---    |        |        | 13,249                              |
| 6                                 | ---    | 6:45   | 8:45   | 16:00  | 21:25  | ---    |        |        | 13,121                              |
| 7                                 | ---    | 8:00   | 10:00  | 15:20  | 22:20  | ---    |        |        | 12,599                              |
| 8                                 | ---    | 9:30   | 11:30  | 16:35  | 22:25  | ---    |        |        | 11,891                              |
| 9                                 | ---    | 11:00  | 12:45  | 18:00  | 23:30  | ---    |        |        | 13,235                              |
| 10                                | ---    | 8:15   | 11:15  | 17:05  |        |        |        |        | 13,229                              |
| 11                                | 2:30   | 9:30   | 12:30  | 20:45  |        |        |        |        | 12,279                              |
| 12                                | 3:00   | 10:30  | 13:30  | 15:45  | 17:15  | ---    |        |        | 12,610                              |
| 13                                | ---    | 4:00   | 5:30   | 11:30  | 15:40  | 18:15  | 19:45  | 23:00  | 12,469                              |
| 14                                | 0:01   | 4:30   | 6:00   | 12:15  | 17:00  | 19:15  |        |        | 11,501                              |
| 15                                | 0:10   | 5:15   | 6:45   | 12:15  | 17:40  | 20:15  | 21:45  | ---    | 11,492                              |
| 16                                | ---    | 6:00   | 8:20   | 13:45  | 18:20  | 21:00  | 22:30  | ---    | 13,086                              |
| 17                                | ---    | 6:45   | 8:15   | 14:08  | 19:15  | 22:00  | 23:30  | ---    | 13,070                              |
| 18                                | ---    | 7:45   | 9:15   | 15:15  | 20:20  | 22:45  |        |        | 13,171                              |
| 19                                | 1:10   | 8:30   | 11:00  | 15:30  | 21:00  | 23:30  |        |        | 11,120                              |
| 20                                | 1:00   | 6:45   | 8:25   | 9:45   | 11:20  | 18:30  | 20:00  | ---    | 12,835                              |
| 21                                | ---    | 0:15   | 1:45   | 11:00  | 12:30  | 17:00  | 20:20  | ---    | 12,616                              |
| 22                                | ---    | 0:45   | 2:45   | 12:00  | 14:00  | 17:30  | 20:30  | 23:59  | 13,239                              |
| 23                                | 0:10   | 1:15   | 3:15   | 13:30  | 15:30  | 18:00  | 21:00  | ---    | 13,248                              |
| 24                                | ---    | 1:45   | 3:45   | 8:30   | 11:30  | 14:45  | 16:45  | 23:00  | 11,487                              |
| 25                                | 0:10   | 2:15   | 4:15   | 9:30   | 14:35  | 16:00  |        |        | 7,933                               |
| 26                                | 0:22   | 2:45   | 4:45   | 10:15  | 16:10  | 17:00  |        |        | 6,926                               |
| 27                                | 0:01   | 3:00   | 5:00   | 9:00   |        |        |        |        | 6,907                               |
| 28                                | 0:05   | 3:45   | 5:15   | 8:30   |        |        |        |        | 6,885                               |
| 29                                | 0:01   | 4:15   | 5:45   | 11:20  | 21:15  | ---    |        |        | 8,847                               |
| 30                                | ---    | 5:00   | 6:50   | 13:00  | 16:30  | 19:15  | 21:45  | ---    | 13,237                              |
| Total inflow for the month in AF: |        |        |        |        |        |        |        |        | 354,965                             |

**Table 11. Governor Edmund G. Brown California Aqueduct**  
 Delta Field Division, Monthly Deliveries

(In acre-feet)

**June 2003**

| Reach No. | Operating Pool       |                         |       | Turnout                      | Total Diversions | Deliveries     |      |       |                 |                 |  |
|-----------|----------------------|-------------------------|-------|------------------------------|------------------|----------------|------|-------|-----------------|-----------------|--|
|           | Beginning and Ending |                         | No.   |                              |                  | Table A Amount | USBR | Local | Purchase Pool A | Purchase Pool B |  |
|           | No.                  | Structure               | Mile  |                              |                  |                |      |       |                 |                 |  |
| 1         | 1                    | Banks Pumping Plant     | 3.32  |                              | 353,803          | 71             | 71   | 71    | 71              | 71              |  |
|           |                      | South Bay Pumping Plant | 4.49  | Bethany Reservoir inlet      | 15,059           |                |      |       |                 |                 |  |
|           |                      | Check No. 1             | 5.95  |                              |                  |                |      |       |                 |                 |  |
|           | 2                    | Check No. 2             | 12.01 |                              |                  |                |      |       |                 |                 |  |
|           |                      |                         | 12.47 | Musco Olive                  | 71               |                |      |       |                 |                 |  |
|           | 3                    | Check No. 3             | 18.29 |                              |                  |                |      |       |                 |                 |  |
|           |                      |                         | 22.16 | Tracy Golf & Country Club    | 0                |                |      |       |                 |                 |  |
|           | 4                    | Check No. 4             | 23.99 |                              |                  |                |      |       |                 |                 |  |
|           |                      | Check No. 5             | 29.73 |                              |                  |                |      |       |                 |                 |  |
|           | 5                    | Check No. 6             | 34.24 |                              |                  |                |      |       |                 |                 |  |
|           | 6                    |                         | 35.22 | Turlock Fruit Company Inflow | 0                |                |      |       |                 |                 |  |
|           |                      | Check No. 7             | 39.91 |                              |                  |                |      |       |                 |                 |  |
| 2A        | 7                    |                         | 42.46 | Oak Flat Water District-A    | 32               | 32             | 155  | 176   | 43              | 5               |  |
|           |                      |                         | 42.9  | Western Hills WD             | 155              |                |      |       |                 |                 |  |
|           |                      |                         | 43.81 | Oak Flat Water District-B    | 224              |                |      |       |                 |                 |  |
|           |                      |                         | 44.64 | Oak Flat Water District-C    | 231              |                |      |       |                 |                 |  |
|           |                      | Check No. 8             | 45.97 |                              |                  |                |      |       |                 |                 |  |
|           | 8                    |                         | 46.18 | Oak Flat Water District-D    | 265              | 265            | 704  | 0     | 43              | 5               |  |
|           |                      |                         |       | Oak Flat Totals:             | 752              |                |      |       |                 |                 |  |
|           | 9                    | Check No. 9             | 51.3  |                              |                  |                |      |       |                 |                 |  |
|           |                      | Check No. 10            | 56.86 |                              |                  |                |      |       |                 |                 |  |
|           |                      | Check No. 11            | 61.4  |                              |                  |                |      |       |                 |                 |  |
| 2B        | 10                   |                         | 66.14 | Veteran's Cemetery           | 9                |                | 9    |       |                 |                 |  |
|           |                      | Check No. 12            | 66.71 |                              | 314,969          |                |      |       |                 |                 |  |

**Table 12. South Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

(In acre-feet)

June 2003

| Reach No. | Operating Pool       |  |       | Turnout  | Total Diversions | Deliveries     |                 |                 |       |            |  |  |
|-----------|----------------------|--|-------|--|------------------|----------------|-----------------|-----------------|-------|------------|--|--|
|           | Beginning and Ending |  |       |  |                  | Table A Amount | Purchase Pool A | Purchase Pool B | Local | Recreation |  |  |
|           | No.                  | Structure                                    | Mile  |  |                  |                |                 |                 |       |            |  |  |
| 1         | 1                    | South Bay Pumping Plant                      | 0.00  | (into South Bay Aqueduct)                            | 15,059           | 6              | 28              | 1,065           | 28    |            |  |  |
|           |                      |  | 3.17  | Granite - Vasco Rd. (Temp.)                          | 0                |                |                 |                 |       |            |  |  |
|           |                      |  | 3.18  | Oakland Scavenger Zone 7                             | 6                |                |                 |                 |       |            |  |  |
|           |                      | Check No. 1                                  | 3.91  |  |                  |                |                 |                 |       |            |  |  |
|           | 2                    | Check No. 2                                  | 5.21  |  |                  |                |                 |                 |       |            |  |  |
| 2         | 3                    |  | 7.21  | Zone 7 Altamont                                      | 28               | 1,065          |                 |                 |       |            |  |  |
|           |                      | Check No. 3                                  | 9.49  | Zone 7 Patterson Inflow Exchange                     | 0                |                |                 |                 |       |            |  |  |
|           |                      |  |       | Zone 7 Patterson Project Water                       | 1,065            |                |                 |                 |       |            |  |  |
| 4         | 4                    | Check No. 4                                  | 10.68 |  |                  | 207            | 207             | 23              | 892   |            |  |  |
|           |                      | Check No. 5                                  | 12.29 |  |                  |                |                 |                 |       |            |  |  |
|           |                      |  | 13.55 | Zone 7 Wente #1                                      | 207              |                |                 |                 |       |            |  |  |
|           |                      |  | 14.16 | Zone 7 Wente #2                                      | 29               |                |                 |                 |       |            |  |  |
|           | 6                    |  | 14.31 | Ising Project Water                                  | 23               | 23             | 23              | 23              | 892   |            |  |  |
|           |                      | Check No. 6                                  | 14.65 |  |                  |                |                 |                 |       |            |  |  |
|           |                      |  | 14.78 | Zone 7 Arroyo Mocho Project Water                    | 892              |                |                 |                 |       |            |  |  |
|           | 7                    | Check No. 7                                  | 16.38 |  |                  |                |                 |                 |       |            |  |  |
|           | 8                    |  | 16.57 | Zone 7 Wente #3                                      | 0                | 422            | 422             | 78              | 19    |            |  |  |
|           |                      |  | 16.69 | Zone 7 Norman Nursery                                | 0                |                |                 |                 |       |            |  |  |
|           |                      |  | 16.70 | Zone 7 Concannon Project Water                       | 38               |                |                 |                 |       |            |  |  |
|           |                      |  |       | Zone 7 Wente #4                                      | 48               |                |                 |                 |       |            |  |  |
|           |                      | Del Valle Branch Pipeline Junction           | 18.63 | (Pumped into Lake Del Valle)                         | 0                |                |                 |                 |       |            |  |  |
|           |                      |  |       | (Flow into South Bay Aqueduct)                       | 474              |                |                 |                 |       |            |  |  |
| 5         | 8                    |  |       | Arroyo Valle #1 & #2 Project Water                   | 422              | 422            | 583             | 73              | 1,107 |            |  |  |
|           |                      | Deliveries through Del Valle Branch Pipeline |       | Arroyo Valle #1 & #2 Inflow Released                 | 78               |                |                 |                 |       |            |  |  |
|           |                      |  |       | Lake Del Valle Recreation                            | 19               |                |                 |                 |       |            |  |  |
|           |                      |  |       | Zone 7 Wente #5                                      | 89               |                |                 |                 |       |            |  |  |
|           |                      |  |       | So. Livermore Project                                | 1,424            |                |                 |                 |       |            |  |  |
| 6         |                      |  | 19.20 | So. Livermore Inflow Released                        | 0                | 163            | 163             | 40              | 2,053 |            |  |  |
|           |                      |  |       | So. Livermore Stored Exchanged                       | 1,107            |                |                 |                 |       |            |  |  |
|           |                      |  | 19.21 | Zone 7 - Kalthrof Detjens                            | 163              |                |                 |                 |       |            |  |  |
|           |                      |  |       | ACWD Vallecitos Project Water                        | 514              |                |                 |                 |       |            |  |  |
| 7         | La Costa Tunnel      |  | 22.50 | City of San Francisco San Antonio                    | 0                | 514            | 314             | 40              | 2,053 |            |  |  |
|           |                      |  | 25.97 | ACWD - Bayside 1 & 2 Project Water: Storage Exchange | 406              |                |                 |                 |       |            |  |  |
| 8         | Mission Tunnel       |  |       | Inflow Exchange:                                     | 2,053            | 52             | 314             | 40              | 2,053 |            |  |  |
|           |                      | Santa Clara Pipeline                         | 35.86 | S.C.V.W.D. Meter                                     | 7,764            |                |                 |                 |       |            |  |  |

**Table 13. Lake Del Valle**

Daily Operation

(in acre-feet except as noted)

Capacity: 77,106 ac-ft

**June 2003**

| Date  | Water Surface Elevation (feet) | Storage | Storage Change | Inflow     |                         | Outflow      |                    |                          |             |               | Precipitation (inches) |
|---|--------------------------------|---------|----------------|------------|-------------------------|--------------|--------------------|--------------------------|-------------|---------------|------------------------|
|   |                                |         |                | Natural 1/ | From South Bay Aqueduct | Arroyo Valle | South Bay Aqueduct | Recreation Deliveries 2/ | Evaporation | Total Outflow |                        |
| May 31  | 703.49                         | 40,262  |                |            |                         |              |                    |                          |             |               |                        |
| 1   | 703.45                         | 40,233  | -29            | -2         | 0                       | 0            | 15                 | 0                        | 12          | 27            | 0.00                   |
| 2   | 703.42                         | 40,212  | -21            | 16         | 0                       | 0            | 24                 | 0                        | 13          | 37            | 0.00                   |
| 3   | 703.38                         | 40,184  | -28            | 18         | 0                       | 0            | 31                 | 0                        | 15          | 46            | 0.00                   |
| 4   | 703.34                         | 40,155  | -29            | 4          | 0                       | 0            | 20                 | 0                        | 13          | 33            | 0.00                   |
| 5   | 703.32                         | 40,141  | -14            | 8          | 0                       | 0            | 9                  | 0                        | 13          | 22            | 0.00                   |
| 6   | 703.29                         | 40,120  | -21            | 5          | 0                       | 0            | 14                 | 0                        | 12          | 26            | 0.00                   |
| 7   | 703.25                         | 40,091  | -29            | 1          | 0                       | 0            | 19                 | 0                        | 11          | 30            | 0.00                   |
| 8   | 703.22                         | 40,070  | -21            | 6          | 0                       | 0            | 18                 | 0                        | 9           | 27            | 0.00                   |
| 9   | 703.19                         | 40,049  | -21            | 7          | 0                       | 0            | 18                 | 0                        | 10          | 28            | 0.00                   |
| 10  | 703.16                         | 40,028  | -21            | 9          | 0                       | 0            | 20                 | 0                        | 10          | 30            | 0.00                   |
| 11  | 703.13                         | 40,006  | -22            | -6         | 0                       | 0            | 6                  | 0                        | 10          | 16            | 0.00                   |
| 12  | 703.11                         | 39,992  | -14            | -2         | 0                       | 0            | 0                  | 1                        | 11          | 12            | 0.00                   |
| 13  | 703.06                         | 39,957  | -35            | -24        | 0                       | 0            | 0                  | 1                        | 10          | 11            | 0.00                   |
| 14  | 703.05                         | 39,950  | -7             | 4          | 0                       | 0            | 0                  | 1                        | 10          | 11            | 0.00                   |
| 15  | 703.03                         | 39,936  | -14            | -1         | 0                       | 0            | 0                  | 1                        | 12          | 13            | 0.00                   |
| 16  | 703.01                         | 39,921  | -15            | 0          | 0                       | 0            | 0                  | 1                        | 14          | 15            | 0.00                   |
| 17  | 702.95                         | 39,879  | -42            | -26        | 0                       | 0            | 0                  | 1                        | 15          | 16            | 0.00                   |
| 18  | 702.94                         | 39,872  | -7             | 7          | 0                       | 0            | 0                  | 1                        | 13          | 14            | 0.00                   |
| 19  | 702.89                         | 39,837  | -35            | -21        | 0                       | 0            | 0                  | 1                        | 13          | 14            | 0.00                   |
| 20  | 702.85                         | 39,808  | -29            | -15        | 0                       | 0            | 0                  | 1                        | 13          | 14            | 0.00                   |
| 21  | 702.83                         | 39,794  | -14            | 1          | 0                       | 0            | 0                  | 1                        | 14          | 15            | 0.00                   |
| 22  | 702.80                         | 39,773  | -21            | -8         | 0                       | 0            | 0                  | 1                        | 12          | 13            | 0.00                   |
| 23  | 702.78                         | 39,759  | -14            | -1         | 0                       | 0            | 0                  | 1                        | 12          | 13            | 0.00                   |
| 24  | 702.76                         | 39,745  | -14            | 1          | 0                       | 0            | 0                  | 1                        | 14          | 15            | 0.00                   |
| 25  | 702.75                         | 39,738  | -7             | 8          | 0                       | 0            | 0                  | 1                        | 14          | 15            | 0.00                   |
| 26  | 702.74                         | 39,731  | -7             | 12         | 0                       | 0            | 0                  | 1                        | 18          | 19            | 0.00                   |
| 27  | 702.69                         | 39,695  | -36            | 27         | 0                       | 0            | 40                 | 1                        | 22          | 63            | 0.00                   |
| 28  | 702.58                         | 39,618  | -77            | 28         | 0                       | 0            | 83                 | 1                        | 21          | 105           | 0.00                   |
| 29  | 702.46                         | 39,533  | -85            | 13         | 0                       | 0            | 83                 | 1                        | 14          | 98            | 0.00                   |
| 30  | 702.34                         | 39,449  | -84            | 8          | 0                       | 0            | 74                 | 1                        | 17          | 92            | 0.00                   |
| Total   |                                |         |                | -813       | 78                      | 0            | 0                  | 474                      | 19          | 398           | 891                    |
| 1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions. |                                |         |                |            |                         |              |                    |                          |             |               |                        |
| 2/ To East Bay Regional Park District.  |                                |         |                |            |                         |              |                    |                          |             |               |                        |
| NR=No Records   |                                |         |                |            |                         |              |                    |                          |             |               |                        |

**Table 14. Consolidated State-Federal O'Neill Forebay**

Daily Operations

**June 2003**

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity 56,430 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

| Date      | Water Surface Elevation (in feet) | Storage (ac-ft) | Storage Change | Inflow (cfs) |   |  |                     | Outflow (cfs)                                 |  |                          |                | Computed Losses (-) Gains (+) (cfs) |        |
|-----------|-----------------------------------|-----------------|----------------|--------------|---|--|---------------------|---|--|--------------------------|----------------|-------------------------------------|--------|
|           |                                   |                 |                | Pump In 1/   | O'Neill Pumping Generating Plant (Pumped) | Gianelli Pumping Generating Plant (Generation) | California Aqueduct | O'Neill Pumping Generating Plant (Generation) | Gianelli Pumping Generating Plant (Pumped) | Dos Amigos Pumping Plant | Deliv-eries 2/ |                                     |        |
| May 31    | 218.89                            | 40,305          |                |              |   |  |                     |   |  |                          |                |                                     |        |
| 1         | 218.80                            | 40,077          | -228           | 0            | 1,418                                     | 1,025  | 5,891               | 0   | 0  | 8,916                    | 43             | 510                                 |        |
| 2         | 219.40                            | 41,605          | 1,528          | 0            | 1,340                                     | 712  | 6,148               | 0   | 0  | 7,602                    | 43             | 215                                 |        |
| 3         | 220.00                            | 43,152          | 1,547          | 0            | 1,282                                     | 2,211  | 5,543               | 0   | 0  | 8,137                    | 43             | -76                                 |        |
| 4         | 219.93                            | 42,971          | -181           | 0            | 1,224                                     | 3,651  | 5,920               | 0   | 3,351                                      | 7,780                    | 43             | 288                                 |        |
| 5         | 219.29                            | 41,323          | -1,648         | 0            | 1,213                                     | 4,340  | 6,022               | 0   | 3,978                                      | 8,653                    | 34             | 259                                 |        |
| 6         | 221.22                            | 46,337          | 5,014          | 0            | 1,205                                     | 4,253  | 5,884               | 0   | 0  | 8,936                    | 33             | 155                                 |        |
| 7         | 222.12                            | 48,703          | 2,366          | 0            | 1,198                                     | 2,925  | 5,924               | 0   | 542  | 8,411                    | 33             | 132                                 |        |
| 8         | 220.50                            | 44,453          | -4,250         | 0            | 1,196                                     | 0  | 6,042               | 0   | 0  | 9,309                    | 33             | -39                                 |        |
| 9         | 221.41                            | 46,836          | 2,383          | 0            | 1,058                                     | 2,726  | 5,524               | 0   | 633  | 7,625                    | 33             | 184                                 |        |
| 10        | 221.45                            | 46,941          | 105            | 0            | 988                                       | 2,263  | 6,086               | 0   | 1,451                                      | 8,012                    | 33             | 212                                 |        |
| 11        | 219.84                            | 42,738          | -4,203         | 0            | 816                                       | 3,785  | 5,905               | 0   | 4,401                                      | 8,586                    | 33             | 395                                 |        |
| 12        | 220.02                            | 43,204          | 466            | 0            | 599                                       | 4,047  | 5,236               | 0   | 1,419                                      | 8,630                    | 36             | 438                                 |        |
| 13        | 220.99                            | 45,734          | 2,530          | 0            | 485                                       | 5,210  | 5,311               | 0   | 722  | 9,190                    | 36             | 218                                 |        |
| 14        | 221.55                            | 47,204          | 1,470          | 0            | 485                                       | 6,481  | 5,086               | 0   | 2,354                                      | 9,242                    | 36             | 321                                 |        |
| 15        | 219.89                            | 42,867          | -4,337         | 0            | 715                                       | 1,403  | 5,291               | 0   | 0  | 9,822                    | 36             | 262                                 |        |
| 16        | 221.74                            | 47,703          | 4,836          | 0            | 761                                       | 6,191  | 5,539               | 0   | 1,906                                      | 8,239                    | 36             | 128                                 |        |
| 17        | 220.76                            | 45,132          | -2,571         | 0            | 525                                       | 4,457  | 5,774               | 115   | 1,983                                      | 9,961                    | 36             | 43                                  |        |
| 18        | 220.80                            | 45,237          | 105            | 0            | 478                                       | 4,959  | 6,051               | 197   | 1,669                                      | 10,323                   | 36             | 790                                 |        |
| 19        | 220.00                            | 43,152          | -2,085         | 0            | 173                                       | 4,873  | 5,230               | 77  | 0  | 11,564                   | 27             | 341                                 |        |
| 20        | 220.10                            | 43,411          | 259            | 0            | 275                                       | 4,570  | 5,756               | 0   | 0  | 10,759                   | 27             | 316                                 |        |
| 21        | 220.90                            | 45,498          | 2,087          | 0            | 406                                       | 5,082  | 5,860               | 0   | 0  | 10,746                   | 27             | 477                                 |        |
| 22        | 220.58                            | 44,661          | -837           | 0            | 401                                       | 4,198  | 5,891               | 0   | 0  | 11,017                   | 27             | 132                                 |        |
| 23        | 222.51                            | 49,740          | 5,079          | 0            | 718                                       | 5,697  | 5,961               | 0   | 0  | 10,076                   | 27             | 288                                 |        |
| 24        | 220.82                            | 45,289          | -4,451         | 0            | 861                                       | 1,601  | 5,671               | 0   | 1,124                                      | 9,578                    | 27             | 352                                 |        |
| 25        | 220.59                            | 44,688          | -601           | 0            | 575                                       | 5,340  | 3,501               | 0   | 0  | 9,802                    | 27             | 110                                 |        |
| 26        | 220.37                            | 44,114          | -574           | 0            | 521                                       | 6,715  | 2,578               | 160   | 0  | 9,903                    | 38             | -2                                  |        |
| 27        | 221.50                            | 47,073          | 2,959          | 0            | 528                                       | 7,525  | 3,075               | 236   | 0  | 9,681                    | 38             | 319                                 |        |
| 28        | 222.44                            | 49,554          | 2,481          | 0            | 524                                       | 7,379  | 2,658               | 301   | 0  | 9,299                    | 38             | 328                                 |        |
| 29        | 220.38                            | 44,140          | -5,414         | 0            | 546                                       | 3,082  | 3,814               | 319   | 0  | 10,617                   | 38             | 802                                 |        |
| 30        | 221.61                            | 47,362          | 3,222          | 0            | 551                                       | 4,235  | 5,620               | 333   | 0  | 8,718                    | 38             | 307                                 |        |
| Total     |                                   |                 |                | 7,057        | 0   | 23,065   | 120,936             | 158,792                                       | 1,738                                      | 25,533                   | 279,134        | 1,035                               | 8,205  |
| Mean cfs  |                                   |                 |                | ---          | 0   | 769  | 4,031               | 5,293   | 58   | 851                      | 9,304          | 35                                  | 273    |
| Acre-feet |                                   |                 |                | 7,057        | 0   | 45,746   | 239,878             | 314,969                                       | 3,448                                      | 50,649                   | 553,661        | 2,052                               | 16,274 |

1/ Pump-in located at Mile 79.67R.

2/ Includes 111 AF delivered to DFG at O'Neill Forebay, 20 AF to Parks and Recreation, and 1,901 AF to San Luis Water District.

**Table 15. Consolidated State-Federal San Luis Reservoir**

Daily Operations

June 2003

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

| Date      | Water Surface Elev.<br>(in feet) | Storage<br>(ac-ft) | Storage Change<br>(ac-ft) | Inflow (cfs)                               | Outflow (cfs)                                  |                   |                     | Computed Losses (-)<br>Gains (+)<br>(cfs) |
|-----------|----------------------------------|--------------------|---------------------------|--|--|-------------------|---------------------|---|
|           |                                  |                    |                           | Gianelli Pumping Generating Plant (Pumped) | Gianelli Pumping Generating Plant (Generation) | Pacheco Tunnel 1/ | Parks and Rec. Del. |   |
| May 31    | 493.02                           | 1,428,330          |                           |  |  |                   |                     |   |
| 1         | 492.77                           | 1,425,515          | -2,815                    | 0  | 1,025  | 205               | 0                   | -189                                      |
| 2         | 492.60                           | 1,423,602          | -1,913                    | 0  | 712  | 216               | 0                   | -36                                       |
| 3         | 492.14                           | 1,418,429          | -5,173                    | 0  | 2,211  | 249               | 0                   | -148                                      |
| 4         | 491.93                           | 1,416,070          | -2,359                    | 3,351                                      | 3,651  | 267               | 0                   | -622                                      |
| 5         | 491.77                           | 1,414,273          | -1,797                    | 3,978                                      | 4,340  | 265               | 0                   | -279                                      |
| 6         | 491.03                           | 1,405,974          | -8,299                    | 0  | 4,253  | 263               | 0                   | 332                                       |
| 7         | 490.58                           | 1,400,935          | -5,039                    | 542  | 2,925  | 265               | 0                   | 108                                       |
| 8         | 490.50                           | 1,400,040          | -895                      | 0  | 0  | 233               | 0                   | -218                                      |
| 9         | 490.08                           | 1,395,344          | -4,696                    | 633  | 2,726  | 225               | 0                   | -50                                       |
| 10        | 489.85                           | 1,392,774          | -2,570                    | 1,451                                      | 2,263  | 262               | 0                   | -222                                      |
| 11        | 489.89                           | 1,393,221          | 447                       | 4,401                                      | 3,785  | 261               | 0                   | -130                                      |
| 12        | 489.34                           | 1,387,082          | -6,139                    | 1,419                                      | 4,047  | 255               | 0                   | -212                                      |
| 13        | 488.54                           | 1,378,169          | -8,913                    | 722  | 5,210  | 243               | 0                   | 237                                       |
| 14        | 487.78                           | 1,369,719          | -8,450                    | 2,354                                      | 6,481  | 263               | 0                   | 130                                       |
| 15        | 487.52                           | 1,366,833          | -2,886                    | 0  | 1,403  | 61                | 0                   | 9   |
| 16        | 486.61                           | 1,356,746          | -10,087                   | 1,906                                      | 6,191  | 102               | 0                   | -698                                      |
| 17        | 486.19                           | 1,352,099          | -4,647                    | 1,983                                      | 4,457  | 213               | 0                   | 344                                       |
| 18        | 485.51                           | 1,344,587          | -7,512                    | 1,669                                      | 4,959  | 266               | 0                   | -231                                      |
| 19        | 484.55                           | 1,334,005          | -10,582                   | 0  | 4,873  | 266               | 0                   | -196                                      |
| 20        | 483.65                           | 1,324,110          | -9,895                    | 0  | 4,570  | 252               | 0                   | -167                                      |
| 21        | 482.65                           | 1,313,144          | -10,966                   | 0  | 5,082  | 269               | 0                   | -178                                      |
| 22        | 481.84                           | 1,304,284          | -8,860                    | 0  | 4,198  | 286               | 0                   | 17  |
| 23        | 480.75                           | 1,292,393          | -11,891                   | 0  | 5,697  | 249               | 0                   | -49                                       |
| 24        | 480.57                           | 1,290,433          | -1,960                    | 1,124                                      | 1,601  | 275               | 0                   | -236                                      |
| 25        | 479.57                           | 1,279,562          | -10,871                   | 0  | 5,340  | 243               | 0                   | 102                                       |
| 26        | 478.31                           | 1,265,907          | -13,655                   | 0  | 6,715  | 279               | 0                   | 110                                       |
| 27        | 476.84                           | 1,250,038          | -15,869                   | 0  | 7,525  | 280               | 0                   | -196                                      |
| 28        | 475.37                           | 1,234,221          | -15,817                   | 0  | 7,379  | 324               | 0                   | -271                                      |
| 29        | 474.69                           | 1,226,940          | -7,281                    | 0  | 3,082  | 308               | 0                   | -281                                      |
| 30        | 473.82                           | 1,217,645          | -9,295                    | 0  | 4,235  | 243               | 0                   | -208                                      |
| Total     |                                  |                    | -210,685                  | 25,533                                     | 120,936  | 7,388             | 0                   | -3,428                                    |
| Mean cfs  |                                  |                    | ---                       | 851  | 4,031  | 246               | 0                   | -114                                      |
| Acre-feet |                                  |                    | -210,685                  | 50,649                                     | 239,878  | 14,651            | 0                   | -6,805                                    |

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 10,827 AF, San Benito: 3,824 AF.

**Table 16. San Luis Field Division Plant Data**

(in acre-feet)

**June 2003**

| Date  | Dos Amigos Pumping Plant |                   | Gianelli Pumping - Generating Plant |                      |               |                   | San Felipe Project |
|-------|--------------------------|-------------------|-------------------------------------|----------------------|---------------|-------------------|--------------------|
|       | Total Pumping            | SWP Pumping 1/ 2/ | Total Generation                    | SWP Generation 1/ 2/ | Total Pumping | SWP Pumping 1/ 2/ | Federal            |
| 1     | 17,685                   | 15,272            | 2,033                               | 2,033                | 0             | 0                 | 407                |
| 2     | 15,079                   | 12,715            | 1,413                               | 1,413                | 0             | 0                 | 429                |
| 3     | 16,139                   | 13,727            | 4,386                               | 4,386                | 0             | 0                 | 493                |
| 4     | 15,431                   | 13,079            | 7,241                               | 7,241                | 6,646         | 6,646             | 530                |
| 5     | 17,163                   | 14,802            | 8,608                               | 8,608                | 7,891         | 7,891             | 525                |
| 6     | 17,725                   | 15,340            | 8,436                               | 8,436                | 0             | 0                 | 522                |
| 7     | 16,684                   | 14,259            | 5,802                               | 5,802                | 1,076         | 1,076             | 525                |
| 8     | 18,464                   | 16,066            | 0                                   | 0                    | 0             | 0                 | 462                |
| 9     | 15,124                   | 12,722            | 5,408                               | 3,999                | 1,255         | 1,255             | 447                |
| 10    | 15,891                   | 13,494            | 4,489                               | 4,489                | 2,879         | 2,879             | 520                |
| 11    | 17,031                   | 14,668            | 7,508                               | 7,508                | 8,730         | 8,730             | 517                |
| 12    | 17,118                   | 14,678            | 8,027                               | 8,027                | 2,814         | 2,814             | 505                |
| 13    | 18,229                   | 15,812            | 10,335                              | 7,048                | 1,433         | 1,433             | 481                |
| 14    | 18,331                   | 15,893            | 12,855                              | 12,855               | 4,670         | 4,670             | 522                |
| 15    | 19,482                   | 16,996            | 2,782                               | 2,782                | 0             | 0                 | 121                |
| 16    | 16,343                   | 13,910            | 12,279                              | 7,716                | 3,780         | 3,780             | 203                |
| 17    | 19,757                   | 17,348            | 8,841                               | 8,841                | 3,934         | 3,934             | 423                |
| 18    | 20,476                   | 18,057            | 9,836                               | 9,836                | 3,311         | 3,311             | 527                |
| 19    | 22,937                   | 19,935            | 9,666                               | 7,020                | 0             | 0                 | 527                |
| 20    | 21,340                   | 18,349            | 9,065                               | 4,659                | 0             | 0                 | 499                |
| 21    | 21,314                   | 18,325            | 10,080                              | 5,673                | 0             | 0                 | 533                |
| 22    | 21,852                   | 18,912            | 8,326                               | 8,326                | 0             | 0                 | 567                |
| 23    | 19,986                   | 16,951            | 11,300                              | 7,241                | 0             | 0                 | 494                |
| 24    | 18,998                   | 12,415            | 3,176                               | 3,176                | 2,230         | 2,230             | 546                |
| 25    | 19,443                   | 12,927            | 10,591                              | 5,876                | 0             | 0                 | 482                |
| 26    | 19,642                   | 11,933            | 13,319                              | 6,252                | 0             | 0                 | 553                |
| 27    | 19,202                   | 11,449            | 14,926                              | 5,940                | 0             | 0                 | 556                |
| 28    | 18,444                   | 10,632            | 14,637                              | 5,995                | 0             | 0                 | 642                |
| 29    | 21,058                   | 13,153            | 6,113                               | 2,153                | 0             | 0                 | 611                |
| 30    | 17,293                   | 9,588             | 8,400                               | -120                 | 0             | 0                 | 482                |
| Total | 553,661                  | 443,407           | 239,878                             | 173,211              | 50,649        | 50,649            | 14,651             |

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

**Table 17. Consolidated State-Federal Los Banos Reservoir**

Daily Operations

June 2003

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity 34,560 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

| Date      | Water Surface Elev.<br>(in feet) | Storage<br>(ac-ft) | Storage Change<br>(ac-ft) | Estimated Inflow<br>(cfs) | Estimated Outflow (cfs) |        | Computed Losses (-)<br>Gains (+)<br>(ac-ft) |
|-----------|----------------------------------|--------------------|---------------------------|---------------------------|-------------------------|--------|---|
|           |                                  |                    |                           |                           | Spill                   | Outlet |   |
| May 31    | 327.34                           | 20,360             |                           |                           |                         |        |   |
| 1         | 327.33                           | 20,356             | -4                        | 0                         | 0                       | 0      | -4  |
| 2         | 327.33                           | 20,356             | 0                         | 0                         | 0                       | 0      | 0   |
| 3         | 327.29                           | 20,337             | -19                       | 0                         | 0                       | 0      | -19   |
| 4         | 327.26                           | 20,323             | -14                       | 0                         | 0                       | 0      | -14   |
| 5         | 327.22                           | 20,304             | -19                       | 0                         | 0                       | 0      | -19   |
| 6         | 327.19                           | 20,290             | -14                       | 0                         | 0                       | 0      | -14   |
| 7         | 327.18                           | 20,286             | -4                        | 0                         | 0                       | 0      | -4  |
| 8         | 327.15                           | 20,272             | -14                       | 0                         | 0                       | 0      | -14   |
| 9         | 327.12                           | 20,258             | -14                       | 0                         | 0                       | 0      | -14   |
| 10        | 327.09                           | 20,244             | -14                       | 0                         | 0                       | 0      | -14   |
| 11        | 327.05                           | 20,225             | -19                       | 0                         | 0                       | 0      | -19   |
| 12        | 327.03                           | 20,216             | -9                        | 0                         | 0                       | 0      | -9  |
| 13        | 327.00                           | 20,202             | -14                       | 0                         | 0                       | 0      | -14   |
| 14        | 326.98                           | 20,193             | -9                        | 0                         | 0                       | 0      | -9  |
| 15        | 326.97                           | 20,188             | -5                        | 0                         | 0                       | 0      | -5  |
| 16        | 326.96                           | 20,183             | -5                        | 0                         | 0                       | 0      | -5  |
| 17        | 326.92                           | 20,165             | -18                       | 0                         | 0                       | 0      | -18   |
| 18        | 326.90                           | 20,155             | -10                       | 0                         | 0                       | 0      | -10   |
| 19        | 326.86                           | 20,137             | -18                       | 0                         | 0                       | 0      | -18   |
| 20        | 326.84                           | 20,128             | -9                        | 0                         | 0                       | 0      | -9  |
| 21        | 326.79                           | 20,104             | -24                       | 0                         | 0                       | 0      | -24   |
| 22        | 326.76                           | 20,090             | -14                       | 0                         | 0                       | 0      | -14   |
| 1/ 23     | 326.72                           | 20,072             | -18                       | 0                         | 0                       | 1      | -17   |
| 24        | 326.69                           | 20,058             | -14                       | 0                         | 0                       | 0      | -14   |
| 25        | 326.68                           | 20,053             | -5                        | 0                         | 0                       | 0      | -5  |
| 26        | 326.67                           | 20,049             | -4                        | 0                         | 0                       | 0      | -4  |
| 27        | 326.66                           | 20,044             | -5                        | 0                         | 0                       | 0      | -5  |
| 28        | 326.62                           | 20,026             | -18                       | 0                         | 0                       | 0      | -18   |
| 29        | 326.59                           | 20,012             | -14                       | 0                         | 0                       | 0      | -14   |
| 30        | 326.55                           | 19,993             | -19                       | 0                         | 0                       | 0      | -19   |
| Total     |                                  |                    | -367                      | 0                         | 0                       | 1      | -366  |
| Mean cfs  |                                  |                    | ---                       | 0                         | 0                       | 0      | ---   |
| Acre-feet |                                  |                    | -367                      | 0                         | 0                       | 1      | -366  |

1/ Dewatered penstock for inspection. Released 1 Acre-foot.

**Table 18. Consolidated State-Federal Little Panoche Reservoir**

Daily Operations

June 2003

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

| Date      | Water Surface Elev.<br>(in feet) | Storage<br>(ac-ft)<br>1/ | Storage Change<br>(ac-ft)<br>1/ | Estimated Inflow<br>(cfs) | Estimated Outflow (cfs) |        | Computed Losses (-)<br>Gains (+)<br>(ac-ft)<br>1/ |
|-----------|----------------------------------|--------------------------|---------------------------------|---------------------------|-------------------------|--------|---|
|           |                                  |                          |                                 |                           | Spill                   | Outlet |   |
| May 31    | 602.30                           | 809                      |                                 |                           |                         |        |   |
| 1         | 602.30                           | 809                      | 0                               | 1                         | 0                       | 1      |   |
| 2         | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 3         | 602.30                           | 809                      | 0                               | 1                         | 0                       | 1      |   |
| 4         | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 5         | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 6         | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 7         | 602.00                           | 792                      | -17                             | 0                         | 0                       | 1      |   |
| 8         | 602.00                           | 792                      | 0                               | 1                         | 0                       | 1      |   |
| 9         | 601.90                           | 786                      | -6                              | 0                         | 0                       | 1      |   |
| 10        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 11        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 12        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 13        | 601.80                           | 780                      | -6                              | 0                         | 0                       | 1      |   |
| 14        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 15        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 16        | 601.70                           | 775                      | -5                              | 0                         | 0                       | 1      |   |
| 17        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 18        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 19        | 601.60                           | 769                      | -6                              | 0                         | 0                       | 1      |   |
| 20        | 601.60                           | 769                      | 0                               | 1                         | 0                       | 1      |   |
| 21        | 601.60                           | 769                      | 0                               | 1                         | 0                       | 1      |   |
| 22        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 23        | 601.50                           | 763                      | -6                              | 0                         | 0                       | 1      |   |
| 24        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 25        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 26        | Not Observed                     |                          |                                 | 1                         | 0                       | 1      |   |
| 27        | 601.40                           | 758                      | -5                              | 0                         | 0                       | 0      |   |
| 28        | Not Observed                     |                          |                                 | 0                         | 0                       | 0      |   |
| 29        | Not Observed                     |                          |                                 | 0                         | 0                       | 0      |   |
| 30        | 601.35                           | 755                      | -3                              | 0                         | 0                       | 0      |   |
| Total     |                                  |                          | -54                             | 20                        | 0                       | 25     | ---   |
| Mean cfs  |                                  |                          | ---                             | 1                         | 0                       | 1      | ---   |
| Acre-feet |                                  |                          | -54                             | 39                        | 0                       | 50     | -43   |

1/ Not available on a daily basis

**Table 19a. Governor Edmund G. Brown California Aqueduct**  
 San Luis Field Division, Monthly Deliveries

(In acre-feet)

**June 2003**

| Reach No. | Operating Pool |                      |              | Turnout   | Total Diversions | Deliveries |          |                |                 |  |  |
|-----------|----------------|----------------------|--------------|---|------------------|------------|----------|----------------|-----------------|--|--|
|           |                | Beginning and Ending |              |   |                  | USBR       | Transfer | DWR Recreation | USBR Recreation |  |  |
|           | No.            | Structure            | Mile         |   |                  |            |          |                |                 |  |  |
| 2B        | 12             | Check No. 12         | 66.71        |   | 314,969          |            |          |                |                 |  |  |
| 3A        |                | San Luis Reservoir   |              | Department of Parks and Recreation                | 0                | 10,827     |          | 0              | 0               |  |  |
|           |                |                      |              | San Felipe Division<br>Santa Clara Water District | 10,827           |            |          |                |                 |  |  |
|           |                |                      |              | San Felipe Division<br>San Benito Water District  | 3,824            |            |          |                |                 |  |  |
|           |                |                      |              | Department of Parks and Recreation                | 20               |            |          | 11             | 9               |  |  |
| 3         | 13             | O'Neill Forebay      | 70.85        | Cattle Program                                    | 0                |            |          | 0              | 0               |  |  |
|           |                |                      |              | Department of Fish & Game                         | 111              |            |          | 61             | 50              |  |  |
|           |                |                      |              | 70.91   |                  |            |          |                |                 |  |  |
|           |                |                      | Thru         | San Luis Water District                           | 1,921            | 1,921      |          |                |                 |  |  |
|           |                |                      | 85.08        | (Floodwater Inflow)                               | 0                |            |          |                |                 |  |  |
|           |                |                      |              | Reach 3 Subtotal:                                 | 2,052            | 1,921      | 0        | 72             | 59              |  |  |
|           |                |                      | Check No. 13 |   |                  |            |          |                |                 |  |  |
|           |                |                      | 86.73        |   | 553,661          |            |          |                |                 |  |  |
| 4         | 14             |                      | 89.03        |   |                  | 10,315     |          |                |                 |  |  |
|           |                |                      | Thru         | San Luis Water District                           | 10,315           |            |          |                |                 |  |  |
|           |                |                      | 94.06        |   |                  |            |          |                |                 |  |  |
|           |                |                      | 89.66        |   |                  |            |          |                |                 |  |  |
|           |                |                      | Thru         | Pacheco Water District                            | 2,886            |            |          |                |                 |  |  |
|           |                |                      | 89.67        |   |                  | 2,886      |          |                |                 |  |  |
|           |                |                      | 89.68        |   |                  |            |          |                |                 |  |  |
|           |                |                      | 89.70        | Panoche Water District                            | 39               |            |          |                |                 |  |  |
|           |                |                      |              | City of Dos Palos                                 | 173              |            |          |                |                 |  |  |
|           |                |                      | Check No. 14 | 95.06   |                  |            |          |                |                 |  |  |
| 4         | 15             |                      | 98.15        |   |                  | 1,190      |          |                |                 |  |  |
|           |                |                      | Thru         | San Luis Water District                           | 1,190            |            |          |                |                 |  |  |
|           |                |                      | 104.20       |   |                  |            |          |                |                 |  |  |
|           |                |                      | 96.15        |   |                  | 8,940      |          |                |                 |  |  |
|           |                |                      | Thru         | Panoche Water District                            | 8,940            |            |          |                |                 |  |  |
|           |                |                      | 102.64       | (Floodwater Inflow)                               | 0                |            |          |                |                 |  |  |
|           |                |                      | 102.64       | Broadview Water District                          | 4                |            |          |                |                 |  |  |
|           |                |                      | 105.22       |   |                  |            |          |                |                 |  |  |
|           |                |                      | Thru         | Westlands Water District                          | 23,772           | 23,772     |          |                |                 |  |  |
|           |                |                      | 108.64       |   |                  |            |          |                |                 |  |  |
|           |                |                      | Check No.15  | 108.50  |                  |            |          |                |                 |  |  |
|           |                |                      |              | San Felipe Division Total:                        | 14,651           |            |          | 0              | 0               |  |  |
|           |                |                      |              | Pacheco Water District Total:                     | 2,886            |            |          | 0              | 0               |  |  |
|           |                |                      |              | Broadview Water District Total:                   | 4                |            |          | 0              | 0               |  |  |
|           |                |                      |              | City of Dos Palos Total:                          | 173              |            |          | 0              | 0               |  |  |
|           |                |                      |              | SLWD Reach 4 Subtotal:                            | 13,426           |            |          | 0              | 0               |  |  |
|           |                |                      |              | Panoche Water District Total:                     | 8,979            | 13,426     |          | 0              | 0               |  |  |
|           |                |                      |              | SLWD Total:                                       | 13,426           |            |          | 0              | 0               |  |  |
|           |                |                      |              | Westlands WD Reach 4 Subtotal:                    | 23,772           |            |          | 0              | 0               |  |  |
|           |                |                      |              |   |                  |            |          |                |                 |  |  |

**Table 19b. Governor Edmund G. Brown California Aqueduct**

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**June 2003**

| Reach No. | Operating Pool |                               |        | Turnout                                   | Total Diversions | Deliveries |          |                |                 |  |  |  |  |
|-----------|----------------|-------------------------------|--------|---|------------------|------------|----------|----------------|-----------------|--|--|--|--|
|           |                | Beginning and Ending          |        |   |                  | USBR       | Transfer | DWR Recreation | USBR Recreation |  |  |  |  |
|           | No.            | Structure                     | Mile   |   |                  |            |          |                |                 |  |  |  |  |
| 5         | 16             |                               | 110.52 | (Reverse flow, Kings River)               | 0                | 26,333     | 1/ 3,200 | 1              | 1               |  |  |  |  |
|           |                |                               | Thru   | Westlands Water District                  | 26,333           |            |          |                |                 |  |  |  |  |
|           |                |                               | 122.05 | Department of Fish and Game               | 2                |            |          |                |                 |  |  |  |  |
|           |                | Check No. 16                  | 122.07 |   |                  |            |          |                |                 |  |  |  |  |
|           | 17             |                               | 124.18 | Westlands Water District                  | 22,839           | 19,639     | 1/ 3,200 | 1              | 1               |  |  |  |  |
|           |                |                               | Thru   |   |                  |            |          |                |                 |  |  |  |  |
|           |                | Check No. 17                  | 132.74 |   |                  |            |          |                |                 |  |  |  |  |
|           | 18             |                               | 133.81 | Westlands Water District                  | 22,253           | 22,253     | 15,560   | 899            | 1               |  |  |  |  |
|           |                |                               | Thru   |   |                  |            |          |                |                 |  |  |  |  |
|           |                |                               | 142.61 |   |                  |            |          |                |                 |  |  |  |  |
|           |                | Pleasant Valley Pumping Plant | 143.16 | Westlands Water District                  | 15,560           |            |          |                |                 |  |  |  |  |
|           |                |                               | 143.16 | City of Coalinga                          | 899              |            |          |                |                 |  |  |  |  |
|           |                | Check No. 18                  | 143.23 |   |                  |            |          |                |                 |  |  |  |  |
| 6         | 19             |                               |        | Westlands WD Reach 5 Subtotal:            | 87,886           | 84,684     | 3,200    | 1              | 1               |  |  |  |  |
|           |                |                               | 145.26 | Westlands Water District                  | 34,045           |            |          |                |                 |  |  |  |  |
|           |                |                               | Thru   |   |                  |            |          |                |                 |  |  |  |  |
|           |                |                               | 151.19 |   |                  |            |          |                |                 |  |  |  |  |
|           | Check No. 19   |                               | 155.64 |   |                  |            |          |                |                 |  |  |  |  |
| 7         | 20             |                               | 156.34 | City of Huron                             | 104              | 104        | 2/ 3,000 | 1              | 1               |  |  |  |  |
|           |                |                               | 156.40 | Westlands Water District                  | 20,152           |            |          |                |                 |  |  |  |  |
|           |                |                               | Thru   |   |                  |            |          |                |                 |  |  |  |  |
|           |                |                               | 163.69 |   |                  |            |          |                |                 |  |  |  |  |
|           | Check No. 20   |                               | 164.69 |   |                  |            |          |                |                 |  |  |  |  |
|           | 21             |                               | 164.79 | City of Avenal                            | 284              | 284        | 3/ 250   | 1              | 1               |  |  |  |  |
|           |                |                               | 167.04 | Westlands Water District                  | 6,173            |            |          |                |                 |  |  |  |  |
|           |                |                               | Thru   |   |                  |            |          |                |                 |  |  |  |  |
|           |                |                               | 171.67 |   |                  |            |          |                |                 |  |  |  |  |
|           | Check No. 21   |                               | 172.40 |   |                  |            |          |                |                 |  |  |  |  |
|           |                |                               |        | Reach 7 Total:                            | 26,713           | 23,463     | 3,250    | 0              | 0               |  |  |  |  |
|           |                |                               |        | Westlands WD Total:                       | 171,127          | 164,677    | 6,450    | 0              | 0               |  |  |  |  |
|           |                |                               |        | City of Coalinga Total:                   | 899              | 899        | 0        | 0              | 0               |  |  |  |  |
|           |                |                               |        | City of Huron Total:                      | 104              | 104        | 0        | 0              | 0               |  |  |  |  |
|           |                |                               |        | City of Avenal Total:                     | 284              | 284        | 0        | 0              | 0               |  |  |  |  |
|           |                |                               |        | Total San Luis Field Division Deliveries: | 212,666          | 206,083    | 6,450    | 73             | 60              |  |  |  |  |

1/ Common Landowner Transfer from Tulare Lake Basin WD to Vista Verde and Newton.

2/ Tulare Lake Basin WSD return water for 2001 exchange.

3/ Common Landowner Transfer from Tulare Lake Basin WD to Westlakes Farms.

**Table 20. Consolidated State-Federal San Luis Canal 1/**

Daily Operations

June 2003

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

| Date      | Storage<br>In Canal<br>(ac-ft) | Storage<br>Change<br>(ac-ft) | Inflow (cfs)          |                                | Outflow (cfs)          |            |                           |                          | Computed<br>Losses (-)<br>Gains (+)<br>(cfs) |
|-----------|--------------------------------|------------------------------|-----------------------|--------------------------------|------------------------|------------|---------------------------|--------------------------|--|
|           |                                |                              | Non-<br>Project<br>2/ | Dos Amigos<br>Pumping<br>Plant | Pools<br>14 & 15<br>3/ | Pool<br>15 | Pools<br>15 thru 21<br>4/ | Flow<br>Past<br>Check 21 |  |
| May 31    | 28,182                         |                              |                       |                                |                        |            |                           |                          |  |
| 1         | 29,249                         | 1,067                        | 0                     | 8,916                          | 228                    | 169        | 2,464                     | 5,906                    | 389  |
| 2         | 29,265                         | 16                           | 0                     | 7,602                          | 228                    | 169        | 2,464                     | 5,036                    | 303  |
| 3         | 29,112                         | -153                         | 0                     | 8,137                          | 228                    | 169        | 2,464                     | 5,389                    | 36   |
| 4         | 28,108                         | -1,004                       | 0                     | 7,780                          | 228                    | 169        | 2,464                     | 5,153                    | -272   |
| 5         | 29,105                         | 997                          | 0                     | 8,653                          | 228                    | 142        | 2,126                     | 5,732                    | 78   |
| 6         | 29,081                         | -24                          | 0                     | 8,936                          | 228                    | 142        | 2,126                     | 5,919                    | -533   |
| 7         | 28,569                         | -512                         | 0                     | 8,411                          | 228                    | 142        | 2,126                     | 5,571                    | -602   |
| 8         | 29,595                         | 1,026                        | 0                     | 9,309                          | 228                    | 142        | 2,126                     | 6,166                    | -130   |
| 9         | 30,078                         | 483                          | 0                     | 7,625                          | 228                    | 142        | 2,126                     | 5,051                    | 166  |
| 10        | 29,059                         | -1,019                       | 0                     | 8,012                          | 228                    | 142        | 2,126                     | 5,307                    | -723   |
| 11        | 28,546                         | -513                         | 0                     | 8,586                          | 228                    | 142        | 3,154                     | 5,687                    | 366  |
| 12        | 28,708                         | 162                          | 0                     | 8,630                          | 229                    | 142        | 3,154                     | 5,717                    | 694  |
| 13        | 29,037                         | 329                          | 0                     | 9,190                          | 229                    | 142        | 3,154                     | 6,088                    | 589  |
| 14        | 29,103                         | 66                           | 0                     | 9,242                          | 229                    | 142        | 3,154                     | 6,122                    | 438  |
| 15        | 29,911                         | 808                          | 0                     | 9,822                          | 229                    | 142        | 3,154                     | 6,506                    | 616  |
| 16        | 29,160                         | -751                         | 0                     | 8,239                          | 229                    | 142        | 3,154                     | 5,458                    | 365  |
| 17        | 28,635                         | -525                         | 0                     | 9,961                          | 229                    | 142        | 3,154                     | 6,598                    | -103   |
| 18        | 28,193                         | -442                         | 0                     | 10,323                         | 229                    | 142        | 3,176                     | 6,838                    | -161   |
| 19        | 29,606                         | 1,413                        | 0                     | 11,564                         | 273                    | 143        | 3,299                     | 7,660                    | 523  |
| 20        | 29,555                         | -51                          | 0                     | 10,759                         | 273                    | 143        | 3,299                     | 7,126                    | 56   |
| 21        | 29,588                         | 33                           | 0                     | 10,746                         | 273                    | 143        | 3,299                     | 7,118                    | 104  |
| 22        | 29,632                         | 44                           | 0                     | 11,017                         | 273                    | 143        | 3,299                     | 7,297                    | 17   |
| 23        | 30,032                         | 400                          | 0                     | 10,076                         | 273                    | 143        | 3,299                     | 6,674                    | 515  |
| 24        | 29,825                         | -207                         | 0                     | 9,578                          | 273                    | 143        | 3,299                     | 6,344                    | 377  |
| 25        | 29,856                         | 31                           | 0                     | 9,802                          | 273                    | 143        | 3,299                     | 6,493                    | 422  |
| 26        | 29,907                         | 51                           | 0                     | 9,903                          | 264                    | 172        | 3,194                     | 6,560                    | 313  |
| 27        | 30,336                         | 429                          | 0                     | 9,681                          | 264                    | 172        | 3,194                     | 6,412                    | 577  |
| 28        | 29,613                         | -723                         | 0                     | 9,299                          | 264                    | 172        | 3,194                     | 6,159                    | 125  |
| 29        | 29,671                         | 58                           | 0                     | 10,617                         | 264                    | 172        | 3,194                     | 7,033                    | 75   |
| 30        | 29,642                         | -29                          | 0                     | 8,718                          | 265                    | 174        | 3,194                     | 5,775                    | 674  |
| Total     |                                | 1,460                        | 0                     | 279,134                        | 7,343                  | 4,527      | 86,929                    | 184,895                  | 5,295  |
| Mean cfs  |                                | ---                          | 0                     | 9,304                          | 245                    | 151        | 2,898                     | 6,163                    | 177  |
| Acre-feet |                                | 1,460                        | 0                     | 553,661                        | 14,564                 | 8,979      | 172,423                   | 366,737                  | 4,726  |

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water and Flood Water is included in the gain or loss.

3/ Includes 2,885 AF AG & 1 AF M&I to Pacheco W.D. 173 AF to the City of Dos Palos, and 11,505 AF to San Luis WD.

4/ Includes 104 AF to the City of Huron, 284 AF to the City of Avenal, 899 AF to the City of Coalinga, 3 AF Phase I water, 4 AF to Broadview W.D., 2 AF to F&G @ WWD Lateral 4L, and 171,127 AF to Westlands WD.

**Table 21. San Joaquin Field Division Plant Data**

(in acre-feet)

**June 2003**

| Date  | Coastal Aqueduct           |                           |                           |                         |                            | California Aqueduct       |                       |                        |                         |
|-------|----------------------------|---------------------------|---------------------------|-------------------------|----------------------------|---------------------------|-----------------------|------------------------|-------------------------|
|       | Las Perillas Pumping Plant | Badger Hill Pumping Plant | Devil's Den Pumping Plant | Bluestone Pumping Plant | Polonio Pass Pumping Plant | Buena Vista Pumping Plant | Teerink Pumping Plant | Chrismen Pumping Plant | Edmonston Pumping Plant |
| 1     | 460                        | 460                       | 158                       | 148                     | 157                        | 8,432                     | 8,103                 | 7,734                  | 7,735                   |
| 2     | 390                        | 390                       | 89                        | 83                      | 90                         | 6,651                     | 6,402                 | 6,016                  | 5,962                   |
| 3     | 470                        | 470                       | 112                       | 106                     | 113                        | 6,533                     | 5,922                 | 5,476                  | 5,342                   |
| 4     | 505                        | 505                       | 135                       | 130                     | 130                        | 6,214                     | 5,531                 | 5,187                  | 5,116                   |
| 5     | 449                        | 449                       | 133                       | 129                     | 130                        | 5,966                     | 5,575                 | 5,232                  | 5,090                   |
| 6     | 473                        | 473                       | 141                       | 135                     | 134                        | 6,210                     | 5,810                 | 5,411                  | 5,337                   |
| 7     | 581                        | 581                       | 136                       | 131                     | 133                        | 7,072                     | 6,797                 | 6,410                  | 6,414                   |
| 8     | 418                        | 418                       | 152                       | 144                     | 149                        | 8,272                     | 7,990                 | 7,696                  | 7,735                   |
| 9     | 271                        | 271                       | 95                        | 89                      | 94                         | 5,192                     | 4,781                 | 4,390                  | 4,236                   |
| 10    | 525                        | 525                       | 141                       | 137                     | 138                        | 5,198                     | 4,858                 | 4,524                  | 4,337                   |
| 11    | 488                        | 488                       | 135                       | 133                     | 133                        | 5,329                     | 4,809                 | 4,505                  | 4,246                   |
| 12    | 485                        | 485                       | 136                       | 135                     | 135                        | 4,380                     | 3,993                 | 3,736                  | 3,612                   |
| 13    | 447                        | 447                       | 124                       | 119                     | 121                        | 4,893                     | 4,373                 | 4,047                  | 3,856                   |
| 14    | 611                        | 611                       | 133                       | 129                     | 131                        | 4,939                     | 4,882                 | 4,565                  | 4,352                   |
| 15    | 529                        | 529                       | 160                       | 153                     | 162                        | 6,143                     | 5,873                 | 5,616                  | 5,587                   |
| 16    | 400                        | 400                       | 90                        | 83                      | 89                         | 4,569                     | 4,260                 | 3,958                  | 3,520                   |
| 17    | 487                        | 487                       | 139                       | 135                     | 134                        | 5,435                     | 4,928                 | 4,594                  | 4,420                   |
| 18    | 507                        | 507                       | 143                       | 140                     | 139                        | 5,792                     | 5,524                 | 5,156                  | 5,025                   |
| 19    | 488                        | 488                       | 132                       | 126                     | 130                        | 6,451                     | 6,080                 | 5,541                  | 5,502                   |
| 20    | 524                        | 524                       | 156                       | 152                     | 154                        | 6,699                     | 5,968                 | 5,527                  | 5,425                   |
| 21    | 608                        | 608                       | 118                       | 110                     | 116                        | 6,516                     | 6,096                 | 5,749                  | 5,633                   |
| 22    | 638                        | 638                       | 161                       | 150                     | 161                        | 8,298                     | 8,103                 | 7,811                  | 7,735                   |
| 23    | 440                        | 440                       | 88                        | 83                      | 91                         | 5,805                     | 5,498                 | 5,102                  | 5,057                   |
| 24    | 489                        | 489                       | 98                        | 92                      | 97                         | 5,779                     | 5,516                 | 5,138                  | 4,855                   |
| 25    | 452                        | 452                       | 95                        | 89                      | 97                         | 5,342                     | 4,965                 | 4,602                  | 4,442                   |
| 26    | 458                        | 458                       | 120                       | 114                     | 117                        | 5,788                     | 5,141                 | 4,850                  | 4,730                   |
| 27    | 468                        | 468                       | 112                       | 106                     | 113                        | 6,019                     | 5,627                 | 5,227                  | 5,023                   |
| 28    | 573                        | 573                       | 116                       | 111                     | 116                        | 6,053                     | 5,524                 | 5,173                  | 5,057                   |
| 29    | 563                        | 563                       | 134                       | 126                     | 136                        | 7,411                     | 6,988                 | 6,658                  | 6,607                   |
| 30    | 417                        | 417                       | 69                        | 66                      | 73                         | 5,271                     | 5,042                 | 4,756                  | 4,558                   |
| Total | 14,614                     | 14,614                    | 3,751                     | 3,584                   | 3,713                      | 182,652                   | 170,959               | 160,387                | 156,546                 |

**Table 22a. Governor Edmund G. Brown California Aqueduct**  
 San Joaquin Field Division, Monthly Deliveries

June 2003

(In acre-feet)

| Reach No. | Operating Pool       |              |              | Turnout   | Total Diversions | Deliveries     |      |                 |                 |           |  |  |
|-----------|----------------------|--------------|--------------|---|------------------|----------------|------|-----------------|-----------------|-----------|--|--|
|           | Beginning and Ending |              |              |   |                  | Table A Amount | USBR | Purchase Pool A | Purchase Pool B | Other     |  |  |
|           | No.                  | Structure    | Mile         |   |                  |                |      |                 |                 |           |  |  |
| 7         | 21                   | Check No. 21 | 172.40       |   | 366,737          |                |      |                 |                 |           |  |  |
| 8C        | 22                   |              | 172.66       | Empire West Side Irrig. Dist.<br>TL - A                       | 105              | 105            |      |                 |                 |           |  |  |
|           |                      |              |              | County of Kings<br>TL - A                                     | 500              | 500            |      |                 |                 |           |  |  |
|           |                      |              |              | TLBWS D TL-A  | 3,841            | 3,841          |      |                 |                 |           |  |  |
|           |                      |              | 175.18       | DRWD - 1  | 512              | 512            |      |                 |                 |           |  |  |
| 8D        |                      |              | 177.54       | DRWD - 1B   | 379              | 379            |      |                 |                 |           |  |  |
|           |                      |              | 180.64       | TLBWS D - C   | 0                | 1,212          |      |                 |                 |           |  |  |
|           |                      |              | 180.65       | DRWD - 1A   | 1,212            | 4,019          |      |                 |                 |           |  |  |
|           |                      |              | 182.99       | DRWD - 2  | 4,019            | 10,532         |      |                 |                 |           |  |  |
| 31A       |                      |              | 183.00       | Tulare Lake Basin WSD<br>TL - B                               | 10,532           | 10,532         |      |                 |                 |           |  |  |
|           |                      |              | 184.00       | DRWD - Paramount  | 3                | 3              |      |                 |                 |           |  |  |
|           |                      |              | 184.63       | Coastal Branch  | 14,614           | 2,171          |      |                 |                 |           |  |  |
|           |                      |              | 184.78       | Dudley Ridge Water Dist.<br>DRWD - 3                          | 2,171            | 8,296          |      |                 |                 |           |  |  |
| 8D        |                      |              |              | Dudley Ridge Reach 8D Total:                                  | 8,296            | 14,373         |      |                 |                 |           |  |  |
|           |                      |              |              | Tulare Lake Basin WSD Total:                                  | 14,373           | 0              | 0    | 0               | 0               | 0         |  |  |
|           |                      |              | Check No. 22 | 184.82  |                  |                |      |                 |                 |           |  |  |
|           |                      |              |              |   |                  |                |      |                 |                 |           |  |  |
| 9         | 23                   |              | 189.69       | Kern County Water Agency<br>Lost Hills Water Dist. - 1        | 6,743            | 6,743          |      |                 |                 |           |  |  |
|           |                      |              | 191.18       | Kern County Water Agency<br>Lost Hills Water Dist. - 2        | 1,222            | 1,222          |      |                 |                 |           |  |  |
|           |                      |              | 194.22       | Kern County Water Agency<br>Lost Hills Water Dist. - 3        | 307              | 307            |      |                 |                 |           |  |  |
|           |                      |              | 196.40       | Kern County Water Agency<br>Berrenda Mesa - 2                 | 0                | 1,383          |      |                 |                 |           |  |  |
|           |                      |              | 196.75       | Kern County Water Agency<br>Lost Hills Water Dist. - 4        | 1,383            | 9,655          |      |                 |                 |           |  |  |
|           |                      |              |              | K.C.W.A. Reach 9 Subtotal:                                    | 9,655            | 9,655          | 0    | 0               | 0               | 0         |  |  |
|           |                      |              | Check No. 23 | 197.05  |                  |                |      |                 |                 |           |  |  |
| 10A       | 24                   |              | 201.24       | Kern County Water Agency<br>Lost Hills Water Dist. - 7        | 569              | 569            |      |                 |                 |           |  |  |
|           |                      |              | 202.05       | Kern County Water Agency<br>Lost Hills Water Dist. - 5        | 419              | 419            |      |                 |                 |           |  |  |
|           |                      |              | 204.69       | Kern County Water Agency<br>Lost Hills Water Dist. - 6        | 0                | 13             |      |                 |                 |           |  |  |
|           |                      |              | 205.26       | Kern County Water Agency<br>Lost Hills Water Dist. - 8        | 13               | 2,777          |      |                 |                 |           |  |  |
|           |                      |              | Check No. 24 | 207.94  |                  |                |      |                 |                 |           |  |  |
|           |                      |              | 209.71       | Kern County Water Agency<br>Belridge Water Storage Dist. - 1A | 2,777            | 2,777          |      |                 |                 |           |  |  |
|           |                      |              | 209.78       | Kern National Wildlife Refuge<br>USBR BV-1B                   | 145              | 145            |      |                 |                 |           |  |  |
| 10A       | 25                   |              |              | Kern County Water Agency<br>Buena Vista WSD 1B                | 1,493            | 1,493          |      |                 |                 |           |  |  |
|           |                      |              | 209.80       | KCWA Semitropic WSD   | 28,921           | 921            |      |                 |                 | 1/ 28,000 |  |  |
|           |                      |              |              | KCWA Semitropic WSD Penstocks                                 | 15,010           | 910            |      |                 |                 | 2/ 14,100 |  |  |
|           |                      |              |              | USBR Total:   | 145              | 0              | 145  | 0               | 0               | 0         |  |  |
|           |                      |              |              | K.C.W.A. Reach 10A Subtotal:                                  | 49,202           | 7,102          | 0    | 0               | 0               | 42,100    |  |  |

1/ Includes 8,000 AF of MWD 2003 Allocation to storage in Semi Tropic and 20,000 AF of Santa Clara Valley WD 2003 Allocation to storage in Semi Tropic.

2/ Includes 8,000 AF of MWD 2003 Allocation to storage in Semi Tropic and 6,100 AF of Alameda County WD to storage in Semi Tropic.

**Table 22b. Governor Edmund G. Brown California Aqueduct**  
San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**June 2003**

| Reach No. | Operating Pool       |  |              | Turnout   | Total Diversions | Deliveries     |                     |                 |                 |        |  |  |  |
|-----------|----------------------|--|--------------|---|------------------|----------------|---------------------|-----------------|-----------------|--------|--|--|--|
|           | Beginning and Ending |  |              |   |                  | Table A Amount | Recovery of Pump In | Purchase Pool A | Purchase Pool B | Other  |  |  |  |
|           | No.                  | Structure                                | Mile         |   |                  |                |                     |                 |                 |        |  |  |  |
| 11B       | 25                   | Kern County Water Agency Belridge - 2    | 210.75       | Kern County Water Agency Belridge - 2               | 0                | 180            | 180                 | 0               | 0               | 0      |  |  |  |
|           |                      |  | 214.11       | Kern County Water Agency Belridge - 3               | 180              |                |                     |                 |                 |        |  |  |  |
|           |                      |  | 216.62       | Kern County Water Agency Belridge - 4               | 0                |                |                     |                 |                 |        |  |  |  |
|           |                      |  | 217.13       | Kern County Water Agency Belridge - 5               | 16,046           |                | 16,046              |                 |                 |        |  |  |  |
|           |                      |  |              | Kern County Water Agency Belridge - 5D              | 143              |                |                     |                 |                 |        |  |  |  |
|           |                      | Check No. 25                             | 217.79       |   |                  |                |                     |                 |                 |        |  |  |  |
|           |                      |  |              | K.C.W.A. Reach 11B Subtotal:                        | 16,369           | 16,369         | 0                   | 0               | 0               | 0      |  |  |  |
| 12D       | 26                   | Kern County Water Agency Belridge - 6    | 219.58       | Kern County Water Agency Belridge - 6               | 0                | 81             | 81                  | 0               | 0               | 0      |  |  |  |
|           |                      |  |              | Kern County Water Agency West Kern - 3              | 81               |                |                     |                 |                 |        |  |  |  |
|           |                      | Check No. 26                             | 224.92       |   |                  |                |                     |                 |                 |        |  |  |  |
| 12E       | 27                   | Kern County Water Agency Buena Vista - 6 | 230.37       | Kern County Water Agency Buena Vista - 6            | 4,926            | 13,499         | 4,926               | 0               | 0               | 0      |  |  |  |
|           |                      |  | 231.73       |   |                  |                |                     |                 |                 |        |  |  |  |
|           | 28                   | Kern County Water Agency Buena Vista - 2 | 235.75       | Kern County Water Agency Buena Vista - 2            | 8,262            |                |                     |                 |                 |        |  |  |  |
|           |                      |  | 238.04       | Kern County WA CVC                                  | 25,591           |                |                     |                 |                 |        |  |  |  |
|           |                      |  |              | DRWD CVC  | 0                |                |                     |                 |                 |        |  |  |  |
|           |                      |  |              | Tulare Co.  | 0                |                |                     |                 |                 |        |  |  |  |
|           |                      |  |              | Lower Tule River                                    | 0                |                |                     |                 |                 |        |  |  |  |
|           |                      |  |              | Fresno Co.  | 0                |                |                     |                 |                 |        |  |  |  |
|           |                      |  |              | Pixley ID   | 0                |                |                     |                 |                 |        |  |  |  |
|           |                      |  |              | Hacienda DWR Wells                                  | 0                |                |                     |                 |                 |        |  |  |  |
|           | Check No. 28         | 238.11                                   |              |   |                  |                |                     |                 |                 |        |  |  |  |
|           |                      |  |              | 1/ Arvin Edison Total:                              | 0                | 0              | 0                   | 0               | 0               | 0      |  |  |  |
|           |                      |  |              | Reach 12E Subtotal:                                 | 38,779           | 26,687         | 0                   | 0               | 0               | 12,092 |  |  |  |
| 13B       | 29                   | Kern Water Bank Inflow                   | 238.19       | Kern Water Bank Inflow                              | 0                | 1,656          | 1,656               | 0               | 0               | 0      |  |  |  |
|           |                      |  |              | Kern Water Bank Outflow                             | 1,656            |                |                     |                 |                 |        |  |  |  |
|           |                      |  | 241.02       | Kern River Intertie (inflow)                        | 0                |                |                     |                 |                 |        |  |  |  |
|           |                      |  | 242.85       | KCWA Buena Vista WSD - 7                            | 8,041            |                | 8,041               |                 |                 |        |  |  |  |
|           |                      |  |              | KCWA Buena Vista WSD - 5                            | 1,725            |                |                     |                 |                 |        |  |  |  |
|           |                      |  | 243.09       | Kern County Water Agency Buena Vista - 3            | 6,403            |                | 6,403               |                 |                 |        |  |  |  |
|           |                      |  | Check No. 29 | Buena Vista WSD                                     | 0                |                |                     |                 |                 |        |  |  |  |
|           | 30                   | Kern County Water Agency Buena Vista - 4 | 244.54       | Buena Vista - 4                                     | 1,653            |                |                     |                 |                 |        |  |  |  |
|           |                      |  | 249.85       | Buena Vista Pumping Plant                           | 182,652          |                | 1,653               |                 |                 |        |  |  |  |
|           |                      | Buena Vista Pumping Plant                | 250.99       | K.C.W.A. Reach 13B Subtotal:                        | 19,478           | 19,478         | 0                   | 0               | 0               |        |  |  |  |
| 14A       | 31                   | Kern County Water Agency West Kern - 2   | 254.47       | Kern County Water Agency West Kern - 2              | 0                | 107            | 107                 | 0               | 0               | 0      |  |  |  |
|           |                      |  | 256.11       | Kern County Water Agency Wheeler Ridge-Maricopa - 2 | 107              |                |                     |                 |                 |        |  |  |  |

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Includes 11,255 AF of MWD 2003 allocation to Arvin Edison WD and 837 AF of MWD 2003 allocation to storage in Kern Delta's groundwater program.

**Table 22c. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

June 2003

| Reach No. | Operating Pool          |              |        | Turnout  | Total Diver-sions | Deliveries     |                     |          |          |          |  |  |
|-----------|-------------------------|--------------|--------|--|-------------------|----------------|---------------------|----------|----------|----------|--|--|
|           | Beginning and Ending    |              |        |  |                   | Table A Amount | Recovery of Pump In | MWD Ent. | Exchange | Other    |  |  |
|           | No.                     | Structure    | Mile   |  |                   |                |                     |          |          |          |  |  |
| 14A       | 31                      | Check No. 31 | 256.14 |  |                   | 625            |                     |          |          |          |  |  |
|           | 32                      |              | 258.61 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 3   | 625               |                |                     |          |          |          |  |  |
|           |                         |              | 260.44 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 4   | 2,052             |                |                     |          |          |          |  |  |
|           |                         | Check No. 32 | 261.72 |  |                   |                |                     |          |          |          |  |  |
|           |                         |              |        | KCWA Reach 14A Subtotal:                                 | 2,784             | 2,784          | 0                   | 0        | 0        | 0        |  |  |
| 14B       | 33                      |              | 264.42 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 5   | 3,559             | 3,559          |                     |          |          |          |  |  |
|           |                         |              | 266.91 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 6   | 775               |                | 775                 |          |          |          |  |  |
|           | Check No. 33            |              | 267.36 |  |                   |                |                     |          |          |          |  |  |
|           | 34                      |              | 270.24 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 7   | 2,925             | 2,925          |                     |          |          |          |  |  |
|           |                         | Check No. 34 | 271.27 |  |                   |                |                     |          |          |          |  |  |
|           |                         |              |        | Reach 14B Total:   | 7,259             | 7,259          | 0                   | 0        | 0        | 0        |  |  |
| 14C       | 35                      |              | 272.39 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 8   | 2,368             | 2,368          |                     |          |          |          |  |  |
|           |                         |              | 276.09 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 9   | 1,975             |                |                     |          |          |          |  |  |
|           |                         |              |        | Arvin Edison Water District<br>Arvin Edison              | 2,735             |                |                     |          |          | 1/ 2,735 |  |  |
|           |                         |              |        | Reach 14C Total:   | 7,078             | 4,343          | 0                   | 0        | 0        | 2,735    |  |  |
| 15A       | Teerink Pumping Plant   |              | 278.13 |  | 170,959           |                |                     |          |          |          |  |  |
|           | 36                      |              | 279.02 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 9A  | 896               | 896            |                     |          |          |          |  |  |
|           |                         |              | 280.06 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 10  | 5,580             |                |                     |          |          |          |  |  |
|           |                         |              |        | Reach 15-A Total:  | 6,476             |                | 5,580               | 0        | 0        | 0        |  |  |
|           | Chrisman Pumping Plant  |              | 280.36 |  | 160,387           | 6,476          | 0                   | 0        | 0        | 0        |  |  |
| 16A       | 37                      |              | 282.06 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 11  | 0                 |                |                     |          |          |          |  |  |
|           |                         | Check No. 37 | 283.95 |  |                   |                |                     |          |          |          |  |  |
|           | 38                      |              | 285.01 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 12  | 25                | 25             |                     |          |          |          |  |  |
|           |                         |              | 286.39 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 13A | 116               |                |                     |          |          |          |  |  |
|           |                         |              | 287.06 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 13  | 0                 |                |                     |          |          |          |  |  |
|           | Check No. 38            |              | 287.09 |  |                   |                |                     |          |          |          |  |  |
|           | 39                      |              | 287.62 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 13B | 202               | 202            |                     |          |          |          |  |  |
|           |                         | Check No. 39 | 290.21 |  |                   |                |                     |          |          |          |  |  |
|           | 40                      |              | 291.26 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 14  | 1,226             | 1,226          |                     |          |          |          |  |  |
|           |                         |              | 293.07 | Kern County Water Agency<br>Wheeler Ridge-Maricopa - 15  | 391               |                |                     |          |          |          |  |  |
|           |                         |              |        | Kern County Water Agency<br>Tehachapi Cummings CWD       | 1,182             |                | 1,182               |          |          |          |  |  |
|           |                         |              |        | K.C.W.A. Reach 16A Subtotal:                             | 3,142             | 3,142          | 0                   | 0        | 0        | 0        |  |  |
| 17E       | Edmonston Pumping Plant |              | 293.45 |  | 156,546           |                |                     |          |          |          |  |  |

1/ MWD 2003 allocation to Arvin Edison WD.

**Table 23. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

June 2003

| Reach No. | Operating Pool       |                            |        | Turnout  | Total Diversions | Deliveries     |                     |        |          |                 |  |  |
|-----------|----------------------|----------------------------|--------|--|------------------|----------------|---------------------|--------|----------|-----------------|--|--|
|           | Beginning and Ending |                            |        |  |                  | Table A Amount | Recovery of Pump In | Other  | Exchange | Purchase Pool B |  |  |
|           | No.                  | Structure                  | Mile   |  |                  |                |                     |        |          |                 |  |  |
| 31A       | C-1                  | Coastal Branch Control     | 0.02   |  | 14,614           | 1,271          | 9,533               | 0      | 0        | 0               |  |  |
|           |                      | Las Perillas Pumping Plant | 1.16   |  | 14,614           |                |                     |        |          |                 |  |  |
|           | C-2                  |                            | 3.79   | Green Valley Water District                    | 0                |                |                     |        |          |                 |  |  |
|           |                      | Badger Hill Pumping Plant  | 4.27   |  | 14,614           |                |                     |        |          |                 |  |  |
|           | C-3                  | Coastal Check No. 3        | 7.21   |  |                  |                |                     |        |          |                 |  |  |
|           | C-4                  |                            | 9.34   | Castaic Lake WA<br>(Devil's Den WD #1)         | 0                |                |                     |        |          |                 |  |  |
|           |                      | Coastal Check No. 4        | 9.34   |  |                  |                |                     |        |          |                 |  |  |
|           | C-5                  | Coastal Check No. 5        | 12.20  |  |                  |                |                     |        |          |                 |  |  |
|           | C-6                  |                            | 13.30  | Kern County Water Agency<br>Berrenda Mesa - 3  | 1,271            |                |                     |        |          |                 |  |  |
|           |                      |                            | 14.83  | Kern County Water Agency<br>Berrenda Mesa - 1  | 9,533            |                |                     |        |          |                 |  |  |
|           |                      |                            |        | Kern County Water Agency<br>Berrenda Mesa - PO | 0                |                |                     |        |          |                 |  |  |
|           |                      | Devil's Den Pumping Plant  | 14.86  |  | 3,751            |                |                     |        |          |                 |  |  |
|           |                      |                            |        | K.C.W.A. Reach 31A Subtotal:                   | 10,804           | 10,804         | 0                   | 0      | 0        | 0               |  |  |
|           |                      |                            |        | K.C.W.A. Total:                                | 171,107          | 114,180        | 0                   | 56,927 | 0        | 0               |  |  |
| 33A       | C-7                  | Bluestone Pumping Plant    | 19.05  |  | 3,584            | 3,193          | 452                 | 0      | 0        | 0               |  |  |
|           | C-8                  | Polonio Pass Pumping Plant | 26.54  |  | 3,713            |                |                     |        |          |                 |  |  |
|           | C-9                  | Tank Site 1                | 27.81  | (CCWA) Polonio Pass Treatment Plant            |                  |                |                     |        |          |                 |  |  |
|           | C-10                 | Shandon T.O.               | 38.23  | Santa Barbara County (CCWA)                    | 3,193            |                |                     |        |          |                 |  |  |
|           |                      | Tank Site 2                | 58.63  | Central Coast:                                 | 0                |                |                     |        |          |                 |  |  |
| 34        | C-11                 | Chorro Valley T.O.         | 69.31  | San Luis Obispo County (CCWA)                  | 452              | 3,645          | 0                   | 0      | 0        | 0               |  |  |
|           |                      | Energy Dissipater          | 78.12  |  |                  |                |                     |        |          |                 |  |  |
|           |                      | Lopez T.O.                 | 85.86  | SLOCFC & WCD                                   | 0                |                |                     |        |          |                 |  |  |
| 35        | C-12                 |                            |        | CCWA Total:                                    | 3,645            |                |                     |        |          |                 |  |  |
|           |                      | Guadalupe T.O.             | 102.70 | SBCFC & WCD                                    | 0                |                |                     |        |          |                 |  |  |
|           |                      | Santa Maria T.O.           | 107.43 | SBCFC & WCD                                    | 0                |                |                     |        |          |                 |  |  |
|           |                      | So. Cal. Water T.O.        | 109.20 | SBCFC & WCD                                    | 0                |                |                     |        |          |                 |  |  |
| 38        |                      |                            |        | SBCFC & WCD Total:                             | 0                | 0              | 0                   | 0      | 0        | 0               |  |  |
|           |                      | Tank Site 5                | 115.42 |  |                  |                |                     |        |          |                 |  |  |

**Table 24. Southern Field Division Plant Data**

(in acre-feet)

June 2003

| Date | West Branch       |                  |         |                    | East Branch |                  |                      |                  |                           |                          |         |              |                                    |               |            |               |     |
|------|-------------------|------------------|---------|--------------------|-------------|------------------|----------------------|------------------|---------------------------|--------------------------|---------|--------------|------------------------------------|---------------|------------|---------------|-----|
|      | Oso Pumping Plant | Warne Powerplant |         | Castaic Powerplant |             | Alamo Powerplant |                      |                  | Pearblossom Pumping Plant | Mojave Siphon Powerplant |         |              | Devil Canyon Powerplant Generation | Cherry Valley | Green Spot | Crafton Hills |     |
|      |                   | Generation       | Leakage | Generation         | Pumpback    | Generation       | Bypass Through Plant | Cottonwood Chute |                           | Generation               | Leakage | Bypass Flume |                                    |               |            |               |     |
| 28   | 1                 | 3,225            | 2,129   | 0                  | 986         | 4,051            | 0                    | 0                | 4,561                     | 3,987                    | 4,043   | 0            | 0                                  | 3,244         | 0          | 6             | 5   |
|      | 2                 | 2,452            | 2,498   | 0                  | 6,729       | 2,795            | 0                    | 77               | 3,529                     | 3,278                    | 3,200   | 0            | 0                                  | 3,100         | 0          | 6             | 5   |
|      | 3                 | 1,978            | 2,479   | 0                  | 7,413       | 3,845            | 691                  | 0                | 2,732                     | 2,926                    | 3,162   | 0            | 0                                  | 3,019         | 0          | 6             | 5   |
|      | 4                 | 2,175            | 2,344   | 0                  | 8,340       | 3,537            | 0                    | 33               | 2,927                     | 2,656                    | 2,957   | 0            | 0                                  | 2,902         | 0          | 6             | 5   |
|      | 5                 | 2,214            | 2,387   | 0                  | 8,968       | 4,359            | 1,100                | 0                | 1,746                     | 2,419                    | 1,657   | 0            | 0                                  | 2,841         | 0          | 6             | 5   |
|      | 6                 | 1,968            | 2,189   | 0                  | 6,884       | 3,106            | 2,826                | 0                | 509                       | 2,908                    | 3,470   | 0            | 0                                  | 3,038         | 0          | 6             | 5   |
|      | 7                 | 2,722            | 2,809   | 0                  | 2,032       | 5,504            | 3,322                | 110              | 347                       | 3,335                    | 3,394   | 0            | 0                                  | 3,085         | 0          | 6             | 5   |
|      | 8                 | 3,838            | 2,777   | 0                  | 3,441       | 5,957            | 3,319                | 0                | 392                       | 3,431                    | 3,024   | 0            | 0                                  | 3,042         | 0          | 6             | 5   |
|      | 9                 | 646              | 994     | 0                  | 4,078       | 990              | 894                  | 0                | 2,774                     | 3,234                    | 3,571   | 0            | 0                                  | 3,100         | 0          | 6             | 5   |
|      | 10                | 906              | 1,003   | 0                  | 6,046       | 3,004            | 2,126                | 0                | 1,328                     | 3,154                    | 3,145   | 0            | 0                                  | 3,090         | 0          | 6             | 5   |
|      | 11                | 640              | 1,093   | 0                  | 6,294       | 4,299            | 2,738                | 0                | 818                       | 3,165                    | 3,158   | 0            | 0                                  | 3,074         | 0          | 6             | 5   |
|      | 12                | 728              | 1,108   | 0                  | 7,431       | 4,447            | 2,079                | 0                | 573                       | 2,618                    | 2,475   | 0            | 0                                  | 2,743         | 0          | 6             | 5   |
|      | 13                | 986              | 913     | 0                  | 8,703       | 4,464            | 2,382                | 0                | 476                       | 2,475                    | 2,641   | 0            | 0                                  | 2,701         | 0          | 6             | 5   |
|      | 14                | 1,287            | 956     | 0                  | 1,459       | 4,646            | 2,823                | 0                | 233                       | 2,555                    | 2,586   | 0            | 0                                  | 2,622         | 0          | 6             | 6   |
|      | 15                | 2,559            | 1,036   | 0                  | 1,538       | 4,389            | 3,019                | 0                | 0                         | 2,410                    | 2,468   | 0            | 0                                  | 2,411         | 0          | 6             | 6   |
|      | 16                | 1,607            | 2,107   | 0                  | 6,939       | 3,375            | 2,248                | 0                | 0                         | 2,042                    | 1,937   | 0            | 0                                  | 2,714         | 0          | 6             | 6   |
|      | 17                | 1,632            | 2,046   | 0                  | 5,717       | 1,832            | 2,001                | 0                | 651                       | 2,500                    | 2,439   | 0            | 0                                  | 2,684         | 0          | 6             | 6   |
|      | 18                | 1,823            | 2,110   | 0                  | 2,705       | 0                | 2,572                | 0                | 585                       | 2,840                    | 2,888   | 0            | 0                                  | 2,979         | 0          | 6             | 6   |
|      | 19                | 1,966            | 2,118   | 0                  | 4,064       | 1,418            | 2,693                | 0                | 623                       | 3,016                    | 3,070   | 0            | 0                                  | 3,082         | 0          | 6             | 6   |
|      | 20                | 2,242            | 2,348   | 0                  | 6,816       | 3,072            | 2,567                | 0                | 578                       | 2,878                    | 2,486   | 0            | 0                                  | 3,067         | 0          | 6             | 6   |
|      | 21                | 3,425            | 2,065   | 0                  | 3,472       | 4,846            | 2,246                | 0                | 47                        | 1,689                    | 1,509   | 0            | 0                                  | 2,976         | 0          | 6             | 6   |
|      | 22                | 3,198            | 2,091   | 0                  | 347         | 4,537            | 3,201                | 0                | 1,364                     | 3,985                    | 4,204   | 0            | 0                                  | 2,841         | 0          | 6             | 6   |
|      | 23                | 1,689            | 2,440   | 0                  | 4,003       | 1,123            | 2,886                | 0                | 422                       | 3,398                    | 3,728   | 0            | 0                                  | 2,850         | 0          | 6             | 6   |
|      | 24                | 1,825            | 2,068   | 0                  | 5,450       | 1,808            | 2,148                | 0                | 989                       | 2,872                    | 2,898   | 0            | 0                                  | 2,666         | 0          | 6             | 6   |
|      | 25                | 1,648            | 2,032   | 0                  | 4,952       | 1,775            | 1,871                | 0                | 860                       | 2,585                    | 2,639   | 0            | 0                                  | 2,521         | 0          | 6             | 6   |
|      | 26                | 1,771            | 2,123   | 0                  | 4,690       | 716              | 2,216                | 0                | 814                       | 2,553                    | 2,572   | 0            | 0                                  | 2,781         | 0          | 6             | 6   |
|      | 27                | 2,062            | 2,221   | 0                  | 4,691       | 2,022            | 2,428                | 0                | 491                       | 2,667                    | 2,844   | 0            | 0                                  | 2,623         | 0          | 6             | 6   |
|      | 28                | 2,248            | 2,104   | 0                  | 3,457       | 3,497            | 2,397                | 0                | 452                       | 2,570                    | 2,605   | 0            | 0                                  | 2,346         | 0          | 6             | 6   |
|      | 29                | 3,225            | 1,957   | 0                  | 2,706       | 3,372            | 3,222                | 0                | 267                       | 2,876                    | 2,788   | 0            | 0                                  | 2,845         | 0          | 7             | 6   |
|      | 30                | 1,737            | 1,740   | 0                  | 6,367       | 3,622            | 2,387                | 0                | 434                       | 2,381                    | 2,474   | 0            | 0                                  | 2,937         | 0          | 7             | 6   |
|      | Total             | 60,422           | 58,285  | 0                  | 146,718     | 96,408           | 64,402               | 220              | 31,522                    | 85,403                   | 86,032  | 0            | 0                                  | 85,924        | 0          | 182           | 167 |

**Table 25. Pyramid Lake**

Daily Operation

**June 2003**

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

| Date         | Water Surface Elevation (in feet) | Storage | Storage Change | Inflow                      |                  |             | Outflow                       |                       |               |                     | Computed Losses (-) And Gains (+) |        |
|--------------|-----------------------------------|---------|----------------|-----------------------------|------------------|-------------|-------------------------------|-----------------------|---------------|---------------------|-----------------------------------|--------|
|              |                                   |         |                | Project                     |                  | Natural     | Project                       |                       | Natural       | United Water Agency |                                   |        |
|              |                                   |         |                | Castaic Powerplant Pumpback | Warne Powerplant | Stream Flow | Castaic Powerplant Generation | Recreation Deliveries | To Piru Creek |                     |                                   |        |
| May 31       | 2571.53                           | 161,683 |                |                             |                  |             |                               |                       |               |                     |                                   |        |
| 1            | 2575.56                           | 166,770 | 5,087          | 4,051                       | 2,129            | 23          | 986                           | 0                     | 0             | 100                 | -130                              |        |
| 2            | 2574.27                           | 165,130 | -1,640         | 2,795                       | 2,498            | 22          | 6,729                         | 0                     | 0             | 100                 | -226                              |        |
| 3            | 2573.26                           | 163,854 | -1,276         | 3,845                       | 2,479            | 21          | 7,413                         | 0                     | 0             | 100                 | -208                              |        |
| 4            | 2571.22                           | 161,296 | -2,558         | 3,537                       | 2,344            | 21          | 8,340                         | 0                     | 0             | 100                 | -120                              |        |
| 5            | 2569.24                           | 158,837 | -2,459         | 4,359                       | 2,387            | 21          | 8,968                         | 0                     | 0             | 100                 | -258                              |        |
| 6            | 2567.89                           | 157,175 | -1,662         | 3,106                       | 2,189            | 20          | 6,884                         | 0                     | 0             | 100                 | -93                               |        |
| 7            | 2572.80                           | 163,275 | 6,100          | 5,504                       | 2,809            | 20          | 2,032                         | 0                     | 0             | 100                 | -201                              |        |
| 8            | 2576.85                           | 168,421 | 5,146          | 5,957                       | 2,777            | 18          | 3,441                         | 0                     | 0             | 100                 | -165                              |        |
| 9            | 2575.15                           | 166,248 | -2,173         | 990                         | 994              | 18          | 4,078                         | 1                     | 0             | 100                 | -96                               |        |
| 10           | 2573.37                           | 163,993 | -2,255         | 3,004                       | 1,003            | 19          | 6,046                         | 0                     | 0             | 100                 | -235                              |        |
| 11           | 2572.58                           | 162,998 | -995           | 4,299                       | 1,093            | 19          | 6,294                         | 0                     | 0             | 100                 | -112                              |        |
| 12           | 2571.02                           | 161,046 | -1,952         | 4,447                       | 1,108            | 18          | 7,431                         | 0                     | 0             | 100                 | -94                               |        |
| 13           | 2568.23                           | 157,593 | -3,453         | 4,464                       | 913              | 17          | 8,703                         | 0                     | 0             | 100                 | -144                              |        |
| 14           | 2571.49                           | 161,633 | 4,040          | 4,646                       | 956              | 16          | 1,459                         | 0                     | 0             | 100                 | -119                              |        |
| 15           | 2574.43                           | 165,333 | 3,700          | 4,389                       | 1,036            | 17          | 1,538                         | 0                     | 0             | 102                 | -204                              |        |
| 16           | 2573.19                           | 163,766 | -1,567         | 3,375                       | 2,107            | 17          | 6,939                         | 0                     | 0             | 102                 | -127                              |        |
| 17           | 2571.50                           | 161,645 | -2,121         | 1,832                       | 2,046            | 14          | 5,717                         | 0                     | 0             | 102                 | -296                              |        |
| 18           | 2570.90                           | 160,897 | -748           | 0                           | 2,110            | 12          | 2,705                         | 1                     | 0             | 102                 | -164                              |        |
| 19           | 2570.31                           | 160,163 | -734           | 1,418                       | 2,118            | 13          | 4,064                         | 0                     | 0             | 102                 | -219                              |        |
| 20           | 2569.07                           | 158,628 | -1,535         | 3,072                       | 2,348            | 14          | 6,816                         | 0                     | 0             | 102                 | -153                              |        |
| 21           | 2571.70                           | 161,895 | 3,267          | 4,846                       | 2,065            | 14          | 3,472                         | 0                     | 0             | 102                 | -186                              |        |
| 22           | 2576.46                           | 167,921 | 6,026          | 4,537                       | 2,091            | 14          | 347                           | 0                     | 0             | 102                 | -269                              |        |
| 23           | 2576.04                           | 167,383 | -538           | 1,123                       | 2,440            | 14          | 4,003                         | 0                     | 0             | 102                 | -112                              |        |
| 24           | 2574.69                           | 165,663 | -1,720         | 1,808                       | 2,068            | 13          | 5,450                         | 0                     | 0             | 102                 | -159                              |        |
| 25           | 2573.71                           | 164,422 | -1,241         | 1,775                       | 2,032            | 12          | 4,952                         | 0                     | 0             | 102                 | -108                              |        |
| 26           | 2572.16                           | 162,471 | -1,951         | 716                         | 2,123            | 11          | 4,690                         | 0                     | 0             | 102                 | -111                              |        |
| 27           | 2571.68                           | 161,870 | -601           | 2,022                       | 2,221            | 10          | 4,691                         | 1                     | 0             | 102                 | -162                              |        |
| 28           | 2573.25                           | 163,841 | 1,971          | 3,497                       | 2,104            | 8           | 3,457                         | 0                     | 0             | 102                 | -181                              |        |
| 29           | 2575.17                           | 166,273 | 2,432          | 3,372                       | 1,957            | 8           | 2,706                         | 0                     | 0             | 102                 | -199                              |        |
| 30           | 2574.25                           | 165,105 | -1,168         | 3,622                       | 1,740            | 7           | 6,367                         | 0                     | 0             | 102                 | -170                              |        |
| <b>Total</b> |                                   |         |                | 3,422                       | 96,408           | 58,285      | 471                           | 146,718               | 3             | 0                   | 3,032                             | -5,021 |

**Table 26. Elderberry Forebay**

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

**June 2003**

| Date   | Water Surface Elevation<br>(in feet) | Storage | Storage Change | Inflow                        |         | Outflow                     |                 |         | Computed Losses (-)<br>And Gains (+) |     |
|--------|--------------------------------------|---------|----------------|-------------------------------|---------|-----------------------------|-----------------|---------|--------------------------------------|-----|
|        |                                      |         |                | Castaic Powerplant Generation | Natural | Castaic Powerplant Pumpback | To Castaic Lake |         |                                      |     |
|        |                                      |         |                |                               |         |                             | Natural         | Project |                                      |     |
| May 31 | 1518.40                              | 22,564  |                |                               |         |                             |                 |         |                                      |     |
| 1      | 1509.80                              | 19,107  | -3,457         | 986                           | 1       | 4,051                       | 1               | 396     | 4                                    |     |
| 2      | 1519.48                              | 23,019  | 3,912          | 6,729                         | 1       | 2,795                       | 1               | 0       | -22                                  |     |
| 3      | 1519.78                              | 23,147  | 128            | 7,413                         | 1       | 3,845                       | 1               | 3,444   | 4                                    |     |
| 4      | 1521.75                              | 23,992  | 845            | 8,340                         | 1       | 3,537                       | 1               | 3,962   | 4                                    |     |
| 5      | 1526.58                              | 26,121  | 2,129          | 8,968                         | 1       | 4,359                       | 1               | 2,478   | -2                                   |     |
| 6      | 1534.56                              | 29,829  | 3,708          | 6,884                         | 1       | 3,106                       | 1               | 0       | -70                                  |     |
| 7      | 1520.03                              | 23,253  | -6,576         | 2,032                         | 1       | 5,504                       | 1               | 3,102   | -2                                   |     |
| 8      | 1514.11                              | 20,801  | -2,452         | 3,441                         | 0       | 5,957                       | 0               | 0       | 64                                   |     |
| 9      | 1521.43                              | 23,854  | 3,053          | 4,078                         | 0       | 990                         | 0               | 0       | -35                                  |     |
| 10     | 1521.51                              | 23,888  | 34             | 6,046                         | 1       | 3,004                       | 1               | 3,006   | -2                                   |     |
| 11     | 1525.97                              | 25,847  | 1,959          | 6,294                         | 0       | 4,299                       | 0               | 0       | -36                                  |     |
| 12     | 1524.47                              | 25,181  | -666           | 7,431                         | 0       | 4,447                       | 0               | 3,650   | 0                                    |     |
| 13     | 1527.11                              | 26,360  | 1,179          | 8,703                         | 0       | 4,464                       | 0               | 3,059   | -1                                   |     |
| 14     | 1515.78                              | 21,478  | -4,882         | 1,459                         | 0       | 4,646                       | 0               | 1,696   | 1                                    |     |
| 15     | 1508.61                              | 18,653  | -2,825         | 1,538                         | 0       | 4,389                       | 0               | 0       | 26                                   |     |
| 16     | 1517.53                              | 22,200  | 3,547          | 6,939                         | 0       | 3,375                       | 0               | 0       | -17                                  |     |
| 17     | 1519.43                              | 22,998  | 798            | 5,717                         | 0       | 1,832                       | 0               | 3,086   | -1                                   |     |
| 18     | 1525.51                              | 25,642  | 2,644          | 2,705                         | 0       | 0                           | 0               | 0       | -61                                  |     |
| 19     | 1524.47                              | 25,181  | -461           | 4,064                         | 0       | 1,418                       | 0               | 3,107   | 0                                    |     |
| 20     | 1525.82                              | 25,780  | 599            | 6,816                         | 0       | 3,072                       | 0               | 3,145   | 0                                    |     |
| 21     | 1516.33                              | 21,704  | -4,076         | 3,472                         | 0       | 4,846                       | 0               | 2,702   | 0                                    |     |
| 22     | 1505.75                              | 17,585  | -4,119         | 347                           | 0       | 4,537                       | 0               | 0       | 71                                   |     |
| 23     | 1513.29                              | 20,472  | 2,887          | 4,003                         | 0       | 1,123                       | 0               | 0       | 7                                    |     |
| 24     | 1515.97                              | 21,556  | 1,084          | 5,450                         | 0       | 1,808                       | 0               | 2,560   | 2                                    |     |
| 25     | 1521.96                              | 24,083  | 2,527          | 4,952                         | 0       | 1,775                       | 0               | 650     | 0                                    |     |
| 26     | 1523.36                              | 24,693  | 610            | 4,690                         | 0       | 716                         | 0               | 3,363   | -1                                   |     |
| 27     | 1521.79                              | 24,009  | -684           | 4,691                         | 0       | 2,022                       | 0               | 3,353   | 0                                    |     |
| 28     | 1515.30                              | 21,282  | -2,727         | 3,457                         | 0       | 3,497                       | 0               | 2,686   | -1                                   |     |
| 29     | 1512.58                              | 20,191  | -1,091         | 2,706                         | 0       | 3,372                       | 0               | 426     | 1                                    |     |
| 30     | 1519.30                              | 22,943  | 2,752          | 6,367                         | 0       | 3,622                       | 0               | 0       | 7                                    |     |
| Total  |                                      |         |                | 379                           | 146,718 | 8                           | 96,408          | 8       | 49,871                               | -60 |

**Table 27. Castaic Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

**June 2003**

| Date   | Water Surface Elevation (in feet) | Storage | Storage Change | Inflow                  |         | Outflow |            | Computed Losses (-) And Gains (+) |  |
|--------|-----------------------------------|---------|----------------|-------------------------|---------|---------|------------|-----------------------------------|--|
|        |                                   |         |                | From Elderberry Forebay |         | Natural | Deliveries |                                   |  |
|        |                                   |         |                | Natural                 | Project |         |            |                                   |  |
| May 31 | 1512.58                           | 318,316 |                |                         |         |         |            |                                   |  |
| 1      | 1511.98                           | 316,990 | -1,326         | 1                       | 396     | 2       | 1,869      | 6                                 |  |
| 2      | 1511.11                           | 315,073 | -1,917         | 1                       | 0       | 2       | 1,855      | 6                                 |  |
| 3      | 1511.81                           | 316,615 | 1,542          | 1                       | 3,444   | 2       | 1,756      | 0                                 |  |
| 4      | 1512.84                           | 318,892 | 2,277          | 1                       | 3,962   | 2       | 1,666      | 0                                 |  |
| 5      | 1513.04                           | 319,335 | 443            | 1                       | 2,478   | 2       | 1,807      | 20                                |  |
| 6      | 1512.23                           | 317,542 | -1,793         | 1                       | 0       | 2       | 1,747      | 20                                |  |
| 7      | 1512.95                           | 319,136 | 1,594          | 1                       | 3,102   | 2       | 1,474      | 20                                |  |
| 8      | 1512.28                           | 317,653 | -1,483         | 0                       | 0       | 2       | 1,405      | 20                                |  |
| 9      | 1511.61                           | 316,174 | -1,479         | 0                       | 0       | 2       | 1,392      | 20                                |  |
| 10     | 1512.23                           | 317,542 | 1,368          | 1                       | 3,006   | 2       | 1,583      | 20                                |  |
| 11     | 1511.41                           | 315,733 | -1,809         | 0                       | 0       | 3       | 1,645      | 20                                |  |
| 12     | 1512.25                           | 317,587 | 1,854          | 0                       | 3,650   | 2       | 1,685      | 20                                |  |
| 13     | 1512.87                           | 318,959 | 1,372          | 0                       | 3,059   | 2       | 1,581      | 20                                |  |
| 14     | 1512.96                           | 319,158 | 199            | 0                       | 1,696   | 2       | 1,500      | 20                                |  |
| 15     | 1512.27                           | 317,631 | -1,527         | 0                       | 0       | 1       | 1,562      | 20                                |  |
| 16     | 1511.45                           | 315,821 | -1,810         | 0                       | 0       | 1       | 1,755      | 18                                |  |
| 17     | 1511.94                           | 316,902 | 1,081          | 0                       | 3,086   | 1       | 1,958      | 20                                |  |
| 18     | 1511.09                           | 315,029 | -1,873         | 0                       | 0       | 1       | 1,826      | 20                                |  |
| 19     | 1511.66                           | 316,284 | 1,255          | 0                       | 3,107   | 1       | 1,930      | 20                                |  |
| 20     | 1512.23                           | 317,542 | 1,258          | 0                       | 3,145   | 1       | 1,665      | 20                                |  |
| 21     | 1512.74                           | 318,671 | 1,129          | 0                       | 2,702   | 1       | 1,509      | 20                                |  |
| 22     | 1512.02                           | 317,078 | -1,593         | 0                       | 0       | 1       | 1,496      | 20                                |  |
| 23     | 1511.33                           | 315,557 | -1,521         | 0                       | 0       | 1       | 1,510      | 20                                |  |
| 24     | 1511.69                           | 316,350 | 793            | 0                       | 2,560   | 1       | 1,622      | 20                                |  |
| 25     | 1511.21                           | 315,293 | -1,057         | 0                       | 650     | 1       | 1,684      | 20                                |  |
| 26     | 1511.90                           | 316,813 | 1,520          | 0                       | 3,363   | 1       | 1,684      | 19                                |  |
| 27     | 1512.53                           | 318,206 | 1,393          | 0                       | 3,353   | 1       | 1,878      | 19                                |  |
| 28     | 1512.80                           | 318,804 | 598            | 0                       | 2,686   | 0       | 2,063      | 11                                |  |
| 29     | 1512.06                           | 317,167 | -1,637         | 0                       | 426     | 0       | 2,153      | 9                                 |  |
| 30     | 1510.86                           | 314,523 | -2,644         | 0                       | 0       | 0       | 2,682      | 9                                 |  |
| Total  |                                   |         |                | -3,793                  | 8       | 49,871  | 42         | 51,942                            |  |
|        |                                   |         |                |                         |         |         | 497        | -1,275                            |  |

**Table 28. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

June 2003

| Reach No. | Operating Pool       |                       |       | Turnout                                   | Total Diversions | Deliveries     |      |       |          |                 |  |  |
|-----------|----------------------|-----------------------|-------|---|------------------|----------------|------|-------|----------|-----------------|--|--|
|           | Beginning and Ending |                       |       |   |                  | Table A Amount | Rec. | Local | Transfer | Purchase Pool B |  |  |
|           | No.                  | Structure             | Mile  |   |                  |                |      |       |          |                 |  |  |
| 29A       | 42                   | Oso Pumping Plant     | 1.49  |   | 60,422           |                |      |       |          |                 |  |  |
| 29F       | W2                   | Quail Lake            | 5.02  | Antelope Valley-East Kern Water Agency    | Re-moved         | 1,032          | 3    | 2,000 |          |                 |  |  |
|           |                      | Quail Lake Embankment | 7.82  | Antelope Valley-East Kern Water Agency    | Stub             |                |      |       |          |                 |  |  |
| 29G       |                      | Warne Power Plant     | 14.07 |   | 58,265           |                |      |       |          |                 |  |  |
| 29H       | W3                   | Pyramid Lake          |       | Calif. State Park Pyramid Recreation      | 3                | 2,002          | 34   | 0     | 90       |                 |  |  |
|           |                      |                       | 14.10 | United Water Conservation District        | 3,032            |                |      |       |          |                 |  |  |
|           |                      | Pyramid Dam           | 17.10 | Piru Creek Fish Enhancement               | 0                |                |      |       |          |                 |  |  |
|           |                      | Castaic Power Plant   | 25.82 | ( 96,408 AF pumpback )                    | 146,718          |                |      |       |          |                 |  |  |
| 29J       | W4                   | Elderberry Forebay    |       |   |                  | 2,120          | 34   | 0     | 90       |                 |  |  |
|           |                      | Forebay Dam           | 28.12 |   |                  |                |      |       |          |                 |  |  |
|           |                      | Castaic Lake          |       | Calif. State Park Castaic Lake Recreation | 34               |                |      |       |          |                 |  |  |
| 30 1/     | W5                   | Castaic Dam           | 31.47 |   |                  | 44,743         | 34   | 0     | 90       |                 |  |  |
|           |                      | Castaic Lake Outlet   | 31.55 | MWD - 78"                                 | 2,799            |                |      |       |          |                 |  |  |
|           |                      |                       |       | MWD - 132"                                | 44,743           |                |      |       |          |                 |  |  |
|           |                      |                       |       | Castaic Lake WA - T1                      | 2,002            |                |      |       |          |                 |  |  |
|           |                      |                       |       | Castaic Lake WA                           | 2,210            |                |      |       |          |                 |  |  |
|           |                      |                       |       | United Water Conservation Dist.           | 0                |                |      |       |          |                 |  |  |
|           |                      |                       |       | MWD - Ventura County FCD                  | 154              |                |      |       |          |                 |  |  |
|           |                      |                       |       | LA Co. Parks & Recreation                 | 0                |                |      |       |          |                 |  |  |
|           |                      |                       |       | Releases to Lagoon                        | 497              |                |      |       |          |                 |  |  |
|           |                      |                       |       | Reach 30 Subtotal:                        | 51,942           | 51,818         | 34   | 0     | 0        | 90              |  |  |
|           | W6                   | Castaic Lagoon        |       | Recreation to Lagoon                      | 0                |                |      |       |          |                 |  |  |
|           |                      | Castaic Lagoon Outlet | 31.87 |   |                  |                |      |       |          |                 |  |  |

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

**Table 29. Silverwood Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

**June 2003**

| Date   | Water Surface Elevation (in feet) | Storage | Storage Change | Inflow                    |                     |                     | Outflow            |      |                       |                     | Computed Losses (-) And Gains (+) | Las Flores Ranch Exchange 1/ |     |
|--------|-----------------------------------|---------|----------------|---------------------------|---------------------|---------------------|--------------------|------|-----------------------|---------------------|-----------------------------------|------------------------------|-----|
|        |                                   |         |                | Mojave Siphon Power-plant | Mojave Bypass Flume | Natural Stream Flow | Delivered to CLAWA | Rec. | San Bernardino Tunnel | Del. To Mojave W.A. | Natural To Mojave River           |                              |     |
| May 31 | 3351.98                           | 72,054  |                |                           |                     |                     |                    |      |                       |                     |                                   |                              |     |
| 1      | 3352.83                           | 72,868  | 814            | 4,043                     | 0                   | 9                   | 7                  | 0    | 3,244                 | 0                   | 0                                 | 13                           | 16  |
| 2      | 3352.91                           | 72,945  | 77             | 3,200                     | 0                   | 8                   | 7                  | 0    | 3,100                 | 0                   | 0                                 | -24                          | 16  |
| 3      | 3353.14                           | 73,166  | 221            | 3,162                     | 0                   | 7                   | 7                  | 0    | 3,019                 | 0                   | 1                                 | 79                           | 16  |
| 4      | 3353.10                           | 73,128  | -38            | 2,957                     | 0                   | 6                   | 7                  | 0    | 2,902                 | 0                   | 0                                 | -92                          | 16  |
| 5      | 3351.94                           | 72,016  | -1,112         | 1,657                     | 0                   | 6                   | 7                  | 0    | 2,841                 | 0                   | 0                                 | 73                           | 16  |
| 6      | 3352.25                           | 72,312  | 296            | 3,470                     | 0                   | 6                   | 7                  | 0    | 3,038                 | 0                   | 1                                 | -134                         | 16  |
| 7      | 3352.63                           | 72,676  | 364            | 3,394                     | 0                   | 5                   | 7                  | 0    | 3,085                 | 0                   | 0                                 | 57                           | 16  |
| 8      | 3352.52                           | 72,571  | -105           | 3,024                     | 0                   | 4                   | 7                  | 0    | 3,042                 | 0                   | 1                                 | -83                          | 16  |
| 9      | 3353.10                           | 73,128  | 557            | 3,571                     | 0                   | 4                   | 7                  | 1    | 3,100                 | 0                   | 1                                 | 91                           | 16  |
| 10     | 3353.14                           | 73,166  | 38             | 3,145                     | 0                   | 4                   | 7                  | 0    | 3,090                 | 0                   | 0                                 | -14                          | 16  |
| 11     | 3353.06                           | 73,089  | -77            | 3,158                     | 0                   | 5                   | 7                  | 0    | 3,074                 | 0                   | 0                                 | -159                         | 16  |
| 12     | 3352.91                           | 72,945  | -144           | 2,475                     | 0                   | 5                   | 7                  | 0    | 2,743                 | 0                   | 1                                 | 127                          | 17  |
| 13     | 3352.83                           | 72,868  | -77            | 2,641                     | 0                   | 4                   | 7                  | 0    | 2,701                 | 0                   | 0                                 | -14                          | 17  |
| 14     | 3352.71                           | 72,753  | -115           | 2,586                     | 0                   | 4                   | 7                  | 0    | 2,622                 | 0                   | 0                                 | -76                          | 17  |
| 15     | 3352.75                           | 72,791  | 38             | 2,468                     | 0                   | 4                   | 7                  | 0    | 2,411                 | 0                   | 1                                 | -15                          | 16  |
| 16     | 3351.94                           | 72,016  | -775           | 1,937                     | 0                   | 4                   | 7                  | 0    | 2,714                 | 0                   | 0                                 | 5                            | 16  |
| 17     | 3351.82                           | 71,901  | -115           | 2,439                     | 0                   | 3                   | 7                  | 0    | 2,684                 | 0                   | 0                                 | 134                          | 17  |
| 18     | 3351.70                           | 71,787  | -114           | 2,888                     | 0                   | 3                   | 7                  | 0    | 2,979                 | 0                   | 1                                 | -18                          | 18  |
| 19     | 3351.59                           | 71,682  | -105           | 3,070                     | 0                   | 3                   | 7                  | 1    | 3,082                 | 0                   | 0                                 | -88                          | 19  |
| 20     | 3350.97                           | 71,093  | -589           | 2,486                     | 0                   | 4                   | 7                  | 0    | 3,067                 | 0                   | 0                                 | -5                           | 19  |
| 21     | 3349.42                           | 69,632  | -1,461         | 1,509                     | 0                   | 4                   | 7                  | 0    | 2,976                 | 0                   | 1                                 | 10                           | 19  |
| 22     | 3350.85                           | 70,979  | 1,347          | 4,204                     | 0                   | 4                   | 6                  | 0    | 2,841                 | 0                   | 0                                 | -14                          | 19  |
| 23     | 3351.67                           | 71,758  | 779            | 3,728                     | 0                   | 4                   | 7                  | 0    | 2,850                 | 0                   | 0                                 | -96                          | 11  |
| 24     | 3351.98                           | 72,054  | 296            | 2,898                     | 0                   | 4                   | 6                  | 0    | 2,666                 | 0                   | 1                                 | 67                           | 8   |
| 25     | 3352.01                           | 72,083  | 29             | 2,639                     | 0                   | 3                   | 7                  | 0    | 2,521                 | 0                   | 0                                 | -85                          | 7   |
| 26     | 3351.94                           | 72,016  | -67            | 2,572                     | 0                   | 2                   | 6                  | 0    | 2,781                 | 0                   | 0                                 | 146                          | 7   |
| 27     | 3352.01                           | 72,083  | 67             | 2,844                     | 0                   | 2                   | 7                  | 0    | 2,623                 | 0                   | 1                                 | -148                         | 7   |
| 28     | 3352.44                           | 72,494  | 411            | 2,605                     | 0                   | 2                   | 6                  | 0    | 2,346                 | 0                   | 0                                 | 156                          | 7   |
| 29     | 3352.21                           | 72,274  | -220           | 2,788                     | 0                   | 2                   | 7                  | 0    | 2,845                 | 0                   | 0                                 | -158                         | 7   |
| 30     | 3351.90                           | 71,977  | -297           | 2,474                     | 0                   | 2                   | 6                  | 0    | 2,937                 | 0                   | 1                                 | 171                          | 7   |
| Total  |                                   |         |                | -77                       | 86,032              | 0                   | 127                | 205  | 2                     | 85,924              | 0                                 | 11                           | -94 |
|        |                                   |         |                |                           |                     |                     |                    |      |                       |                     |                                   | 431                          |     |

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

**Table 30. Lake Perris**

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

**June 2003**

| Date         | Water Surface Elevation (in feet) | Storage | Storage Change | Inflow 1/    | Outflow 2/ | Computed Losses (-)<br>Gains (+)<br>1/ |
|--------------|-----------------------------------|---------|----------------|--------------|------------|--|
| May 31       | 1587.16                           | 124,921 |                |              |            |  |
| 1            | 1587.14                           | 124,875 | -46            |              | 10         |  |
| 2            | 1587.19                           | 124,989 | 114            |              | 11         |  |
| 3            | 1587.16                           | 124,921 | -68            |              | 9          |  |
| 4            | 1587.13                           | 124,852 | -69            |              | 10         |  |
| 5            | 1587.10                           | 124,784 | -68            |              | 10         |  |
| 6            | 1587.05                           | 124,670 | -114           |              | 10         |  |
| 7            | 1587.03                           | 124,624 | -46            |              | 9          |  |
| 8            | 1586.98                           | 124,510 | -114           |              | 150        |  |
| 9            | 1586.90                           | 124,328 | -182           |              | 10         |  |
| 10           | 1587.01                           | 124,579 | 251            |              | 10         |  |
| 11           | 1586.98                           | 124,510 | -69            |              | 11         |  |
| 12           | 1586.93                           | 124,396 | -114           |              | 9          |  |
| 13           | 1586.94                           | 124,419 | 23             |              | 11         |  |
| 14           | 1586.87                           | 124,260 | -159           |              | 9          |  |
| 15           | 1586.83                           | 124,169 | -91            |              | 10         |  |
| 16           | 1586.82                           | 124,146 | -23            |              | 10         |  |
| 17           | 1586.85                           | 124,214 | 68             |              | 11         |  |
| 18           | 1586.87                           | 124,260 | 46             |              | 150        |  |
| 19           | 1586.85                           | 124,214 | -46            |              | 10         |  |
| 20           | 1586.81                           | 124,124 | -90            |              | 12         |  |
| 21           | 1586.77                           | 124,033 | -91            |              | 9          |  |
| 22           | 1586.73                           | 123,942 | -91            |              | 12         |  |
| 23           | 1586.74                           | 123,964 | 22             |              | 9          |  |
| 24           | 1586.70                           | 123,874 | -90            |              | 10         |  |
| 25           | 1586.69                           | 123,851 | -23            |              | 10         |  |
| 26           | 1586.70                           | 123,874 | 23             |              | 10         |  |
| 27           | 1586.66                           | 123,783 | -91            |              | 10         |  |
| 28           | 1586.59                           | 123,624 | -159           |              | 12         |  |
| 29           | 1586.62                           | 123,692 | 68             |              | 10         |  |
| 30           | 1586.56                           | 123,556 | -136           |              | 12         |  |
| <b>Total</b> |                                   |         | <b>-1,365</b>  | <b>1,076</b> | <b>586</b> | <b>-1,855</b>                          |

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

**Table 31a. Governor Edmund G. Brown California Aqueduct**  
 Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

**June 2003**

| Reach No. | Operating Pool       |                         |        | Turnout   | Total Diversions | Deliveries     |       |          |                 |                    |   |  |
|-----------|----------------------|-------------------------|--------|---|------------------|----------------|-------|----------|-----------------|--------------------|---|--|
|           | Beginning and Ending |                         |        |   |                  | Table A Amount | Rec.  | Transfer | Purchase Pool A | Transfer Local Out |   |  |
|           | No.                  | Structure               | Mile   |   |                  |                |       |          |                 |                    |   |  |
| 17E       | 40                   | Edmonston Pumping Plant | 293.45 |   | 156,546          |                |       |          |                 |                    |   |  |
|           | 41                   |                         | 298.65 | Kern County Water Agency<br>Tej.-Cas                      | Stub             |                |       |          |                 |                    |   |  |
| 17F       |                      | Check No. 41            | 303.41 |   |                  |                |       |          |                 |                    |   |  |
| 18A       | 42                   | Check No. 42            | 304.99 |   |                  |                |       |          |                 |                    |   |  |
| 19        | 43                   | Alamo Powerplant        | 305.73 | (Does not include 31,522 AF flow down Cottonwood Chute)   | 64,622           | 3              | 1,617 | 210      | 250             |                    |   |  |
|           |                      |                         | 308.05 | Antelope Valley-East Kern WA                              | 0                |                |       |          |                 |                    |   |  |
|           |                      | Check No. 43            | 309.70 |   |                  |                |       |          |                 |                    |   |  |
|           | 44                   |                         | 311.84 | LADWP Connection  | 0                |                |       |          |                 |                    |   |  |
|           |                      |                         | 313.50 | AVEK 245th Street West                                    | 0                |                |       |          |                 |                    |   |  |
|           | 45                   | Check No. 44            | 314.81 |   |                  |                |       |          |                 |                    |   |  |
|           | 46                   |                         | 314.93 | AVEK 235th Street West                                    | 3                |                |       |          |                 |                    |   |  |
|           |                      |                         | 315.57 | AVEK 225th Street West                                    | 0                |                |       |          |                 |                    |   |  |
|           | 47                   | Check No. 45            | 319.74 |   |                  |                |       |          |                 |                    |   |  |
|           | 48                   |                         | 323.19 | Antelope Valley-East Kern WA<br>Fairmont                  | 2,077            |                |       |          |                 |                    |   |  |
|           |                      | Check No. 46            | 323.84 |   |                  |                |       |          |                 |                    |   |  |
|           |                      |                         |        | Reach 19 Total:   | 2,080            |                | 1,620 | 0        | 210             | 250                | 0 |  |
| 20A       | 48                   | Check No. 47            | 326.77 |   |                  | 4,256<br>109   | 113   | 210      | 250             |                    |   |  |
|           |                      |                         | 326.91 | Antelope Valley-East Kern WA<br>Willow Springs Siphon     | 113              |                |       |          |                 |                    |   |  |
|           |                      |                         | 329.65 | Antelope Valley-East Kern WA<br>120th Street West         | Removed          |                |       |          |                 |                    |   |  |
|           | 49                   | Check No. 48            | 330.82 |   |                  |                |       |          |                 |                    |   |  |
|           | 50                   | Check No. 49            | 335.93 |   |                  |                |       |          |                 |                    |   |  |
|           | 50                   |                         | 336.73 | AVEK WA - Quartz Hill<br>(Wheeled for Palmdale WD)        | 0                |                |       |          |                 |                    |   |  |
|           |                      |                         |        | Antelope Valley-East Kern WA                              | 4,256            |                |       |          |                 |                    |   |  |
|           |                      |                         | 339.68 | Antelope Valley-East Kern WA                              | 109              |                |       |          |                 |                    |   |  |
|           | 51                   | Check No. 50            | 341.51 |   |                  |                |       |          |                 |                    |   |  |
| 20B       | 52                   | Check No. 51            | 342.07 |   |                  |                |       |          |                 |                    |   |  |
|           |                      |                         | 342.80 | Antelope Valley-East Kern WA<br>30th Street West          | Not in Use       |                |       |          |                 |                    |   |  |
|           |                      |                         | 343.50 | Antelope Valley-East Kern WA<br>Temp. 12                  | 1                |                | 1     | 128      | 250             |                    |   |  |
|           | 53                   | Check No. 52            | 343.74 |   |                  |                |       |          |                 |                    |   |  |
|           | 53                   |                         | 346.98 | PWD<br>Palmdale   | 1,333            |                |       |          |                 |                    |   |  |
|           |                      |                         | 348.14 | Antelope Valley-East Kern WA<br>Acton Treatment Plant     | 128              |                |       |          |                 |                    |   |  |
| 21        | 54                   | Check No. 53            | 348.17 |   |                  |                |       |          |                 |                    |   |  |
|           | 55                   | Check No. 54            | 350.25 |   |                  |                |       |          |                 |                    |   |  |
|           | 56                   | Check No. 55            | 352.70 |   |                  |                |       |          |                 |                    |   |  |
|           | 57                   | Check No. 56            | 354.76 |   |                  |                |       |          |                 |                    |   |  |
|           |                      |                         | 354.97 | Littlerock Creek I.D.                                     | 0                |                |       |          |                 |                    |   |  |
| 22A       | 57                   | Check No. 57            | 356.93 |   |                  |                |       |          |                 |                    |   |  |
|           | 58                   |                         | 357.60 | Antelope Valley-East Kern WA                              | 57               |                | 57    | 250      | 250             |                    |   |  |
|           |                      |                         | 357.72 | Antelope Valley-East Kern WA<br>96th Street East          | 9                |                |       |          |                 |                    |   |  |
|           |                      |                         | 359.82 | Antelope Valley-East Kern WA<br>East Side Treatment Plant | 679              |                |       |          |                 |                    |   |  |

**Table 31b. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

**June 2003**

| Reach No. | Operating Pool       |  |        | Turnout                                     | Total Diversions                         | Deliveries |                |            |       |                 |
|-----------|----------------------|--|--------|---|--|------------|----------------|------------|-------|-----------------|
|           | Beginning and Ending |  | No.    | Structure                                   | Mile                                     |            | Table A Amount | Recreation | Local | Purchase Pool B |
|           | No.                  | Structure                                |        |   |  |            |                |            |       |                 |
| 22B       | 58                   | Pearblossom Pumping Plant                | 360.61 |   |  | 85,403     | 274            | 31         | 163   | 431             |
|           | 59                   | Check No. 59                             | 366.09 |   |  |            |                |            |       |                 |
|           | 60                   |  | 366.50 | Antelope Valley-East Kern WA                |  | 0          |                |            |       |                 |
|           |                      | Check No. 60                             | 373.94 |   |  |            |                |            |       |                 |
|           | 61                   | Check No. 61                             | 379.00 |   |  |            |                |            |       |                 |
|           | 62                   | Check No. 62                             | 384.26 |   |  |            |                |            |       |                 |
|           | 63                   |  | 389.20 | Mojave Water Agency Mojave River            |  | 274        |                |            |       |                 |
|           |                      |  | 394.60 | Mojave Water Agency Temporary               |  | 31         |                |            |       |                 |
|           | 64                   | Check No. 64                             | 395.10 |   |  |            |                |            |       |                 |
|           | 65                   | Check No. 65                             | 400.32 |   |  |            |                |            |       |                 |
| 23        | 66                   |  | 401.10 | Mojave Water Agency Morongo 24" and 42"     |  | 163        | 181            | 2          | 24    | 431             |
|           |                      |  |        | Mojave Water Agency Hesperia                |  | 0          |                |            |       |                 |
|           | Check No. 66         |  | 403.41 |   |  |            |                |            |       |                 |
|           | 67                   | Mojave Siphon                            | 405.48 | Las Flores Ranch                            |  | 431        |                |            |       |                 |
|           |                      | Mojave Siphon Powerplant                 | 405.65 |   |  | 86,032     |                |            |       |                 |
| 24        | 67                   | Silverwood Lake                          | 407.65 | Crestline Lake Arrowhead Water Agency       |  | 205        |                |            |       |                 |
|           |                      |  |        | Calif. State Park Silverwood Agency (Rec.)  |  | 2          |                |            |       |                 |
| 25        | 67                   | San Bernardino Tunnel                    | 411.46 |   |  | 85,924     |                |            |       |                 |
|           |                      |  |        | San Gorgonio Pass Water Agency              |  | 0          |                |            |       |                 |
| 26A       | 68                   | Devil Canyon Afterbay Control Structures | 412.88 | MWD-SC Rialto                               |  | 34,298     | 32,402         | 3,736      | 2,613 | 1,896           |
|           |                      |  |        | Desert Water Agency (MWD Wheeling Exchange) |  | 3,772      |                |            |       |                 |
|           |                      |  |        | San Gabriel Valley Water District           |  | 2,613      |                |            |       |                 |
|           |                      |  |        | Coachella Valley WD (MWD Wheeling Exchange) |  | 2,289      |                |            |       |                 |
|           |                      |  |        | San Bernardino Valley MWD 24" and 72"       |  | 354        |                |            |       |                 |
|           |                      |  |        | San Bernardino Valley MWD 48"               |  | 742        |                |            |       |                 |
|           |                      |  |        | MWD (SBVMWD Exchange)                       |  | 9,321      |                |            |       |                 |
| 28G       |                      |  |        | 425.46                                      |  |            |                |            |       |                 |
| 28H       | 69                   | Santa Ana Valley Pipeline                | 433.06 | MWD-SC Box Springs                          |  | 8,683      | 8,683          | 23,357     | 303   | 22              |
|           |                      |  |        | 440.05                                      | MWD-SC Perris Bypass Pipeline            | 23,357     |                |            |       |                 |
| 28J       | 69                   | Lake Perris                              | 442.00 | MWD-SC 18"                                  |  | 303        | 130,011        | 0          | 0     | 1,954           |
|           |                      |  |        | 443.44                                      | MWD-SC 54"                               | 83         |                |            |       |                 |
|           |                      |  |        |   | MWD-SC 78"                               | 161        |                |            |       |                 |
|           |                      |  |        |   | Calif. State Park Lake Perris Recreation | 39         |                |            |       |                 |
|           |                      |  |        |   | MWD Total:                               | 132,055    |                |            |       | 90              |

**Table 32. Water Quality At Selected SWP Locations**

June 2003

| Constituent                | Units                     | Thermalito<br>Afterbay<br>At<br>Outlet | North Bay<br>Aqueduct<br>Barker Slough<br>Pumping Plant | Banks<br>Pumping Plant | Delta<br>Mendota<br>Canal At<br>McCabe Rd. | California Aqueduct                        |                                 |                               |                                     | Devil Canyon<br>Afterbay<br>Near San<br>Bernardino |
|----------------------------|---------------------------|--|---|------------------------|--|--|---------------------------------|-------------------------------|-------------------------------------|--|
|                            |                           |  |   |                        |  | O'Neill<br>Forebay<br>Outlet<br>(Check 13) | Kettleman<br>City<br>(Check 21) | Near<br>Hwy 119<br>(Check 29) | Tehachapi<br>Afterbay<br>(Check 41) |  |
| Alkalinity                 | mg/l as CaCO <sub>3</sub> | 40                                     | 99  | 58                     | 57   | 67   | 70                              | 66                            | 69                                  | 88   |
| Antimony                   | mg/l                      | NR                                     | <0.001  | <0.001                 | <0.001                                     | <0.001                                     | <0.001                          | <0.001                        | NR                                  | NR   |
| Arsenic                    | mg/l                      | <0.001                                 | 0.002   | 0.002                  | 0.002                                      | 0.002                                      | 0.002                           | 0.002                         | 0.002                               | 0.002  |
| Beryllium                  | mg/l                      | NR                                     | <0.001  | <0.001                 | <0.001                                     | <0.001                                     | <0.001                          | <0.001                        | <0.001                              | <0.001   |
| Boron                      | mg/l                      | <0.1                                   | 0.2   | <0.1                   | <0.1                                       | 0.1  | 0.1                             | 0.1                           | 0.1                                 | 0.2  |
| Bromide                    | mg/l                      | <0.01                                  | 0.03  | 0.04                   | 0.04                                       | 0.10                                       | 0.12                            | 0.09                          | 0.09                                | 0.19   |
| Calcium                    | mg/l                      | 7                                      | 15  | 11                     | 12   | 15   | 16                              | 15                            | 16                                  | 20   |
| Carbon - Dissolved Organic | mg/l as C                 | NR                                     | 4   | 3                      | 3  | 2  | 3                               | 3                             | 3                                   | 4  |
| Carbon - Total Organic     | mg/l as C                 | NR                                     | 6   | 3                      | 3  | 3  | 3                               | 3                             | 3                                   | 4  |
| Chloride                   | mg/l                      | <1                                     | 15  | 13                     | 15   | 32   | 40                              | 31                            | 34                                  | 64   |
| Chromium                   | mg/l                      | <0.001                                 | <0.001  | <0.001                 | <0.001                                     | 0.001                                      | <0.001                          | <0.001                        | <0.001                              | 0.001  |
| Copper                     | mg/l                      | <0.001                                 | 0.002   | 0.002                  | 0.002                                      | 0.002                                      | 0.002                           | 0.002                         | 0.002                               | 0.004  |
| Fluoride                   | mg/l                      | <0.1                                   | <0.1  | <0.1                   | <0.1                                       | <0.1                                       | <0.1                            | <0.1                          | <0.1                                | <0.1   |
| Hardness                   | mg/l as CaCO <sub>3</sub> | 30                                     | 87  | 52                     | 55   | 75   | 81                              | 70                            | 77                                  | 99   |
| Iron                       | mg/l                      | <0.005                                 | 0.005   | 0.005                  | <0.005                                     | <0.005                                     | <0.005                          | <0.005                        | <0.005                              | <0.005   |
| Lead                       | mg/l                      | <0.001                                 | <0.001  | <0.001                 | <0.001                                     | <0.001                                     | <0.001                          | <0.001                        | <0.001                              | <0.001   |
| Magnesium                  | mg/l                      | 4                                      | 12  | 6                      | 6  | 9  | 10                              | 8                             | 9                                   | 12   |
| Manganese                  | mg/l                      | <0.005                                 | 0.008   | <0.005                 | <0.005                                     | <0.005                                     | <0.005                          | <0.005                        | <0.005                              | <0.005   |
| Nitrate + Nitrite          | mg/l as N                 | <0.01                                  | 0.41  | 0.25                   | NR   | NR   | 0.54                            | NR                            | 0.58                                | 0.75   |
| Phosphorus-Ortho           | mg/l as P                 | <0.01                                  | 0.05  | 0.07                   | NR   | NR   | 0.09                            | NR                            | 0.10                                | 0.09   |
| Phosphorus-Total           | mg/l                      | 0.02                                   | 0.29  | 0.14                   | NR   | NR   | 0.11                            | NR                            | 0.13                                | 0.12   |
| Selenium                   | mg/l                      | NR                                     | <0.001  | <0.001                 | NR   | NR   | NR                              | <0.001                        | NR                                  | NR   |
| Sodium                     | mg/l                      | 3                                      | 19  | 14                     | 14   | 26   | 32                              | 25                            | 28                                  | 44   |
| Specific Conductance       | µS/cm                     | 78                                     | 264   | 173                    | 184  | 276  | 317                             | 277                           | 293                                 | 478  |
| Sulfate                    | mg/l                      | 2                                      | 18  | 12                     | 13   | 22   | 27                              | 23                            | 26                                  | 44   |
| Total Dissolved Solids     | mg/l                      | 47                                     | 158   | 104                    | 111  | 167  | 189                             | 167                           | 181                                 | 284  |
| Turbidity                  | NTU                       | 3                                      | 80  | 39                     | 16   | 12   | 12.5                            | 17                            | 19                                  | 2  |
| Zinc                       | mg/l                      | <0.005                                 | <0.005  | <0.005                 | <0.005                                     | <0.005                                     | <0.005                          | <0.005                        | <0.005                              | <0.005   |

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

**Table 33. Water Quality At Selected Delta Stations**

**June 2003**

| Date | Tides<br>(feet above mean sea level) |                    | Flow In CFS                |        | Electrical Conductivity in milliSiemens/cm |         |                   |         |      |                 |      |                  |                 | Cl in mg/l                |    |
|------|--------------------------------------|--------------------|----------------------------|--------|--|---------|-------------------|---------|------|-----------------|------|------------------|-----------------|---------------------------|----|
|      | (Antioch)<br>Daily Mean              |                    | Net Delta<br>Outflow Index |        | Rio<br>Vista                               | Antioch | Chippis<br>island | Emmaton |      | Jersey<br>Point |      | Clifton<br>Court | Cache<br>Slough | Delta<br>Mendota<br>Canal |    |
|      | Mean<br>Daily                        | Monthly<br>Average | md                         | md     |  |         |                   | md      | 14dm | md              | 14dm |                  |                 |                           |    |
|      | Hi                                   | Half               |                            |        |  |         |                   |         |      |                 |      |                  |                 |                           | md |
| 1    | 3.26                                 | 1.30               | 18,621                     | 18,621 | 17,143                                     | 0.17    | 0.27              | 0.14    | 0.14 | 0.16            | 0.17 | 0.32             | 0.37            | 0.40                      | 38 |
| 2    | 3.33                                 | 1.37               | 18,459                     | 18,540 | 19,004                                     | 0.15    | 0.27              | 0.14    | 0.14 | 0.16            | 0.17 | 0.30             | 0.38            | 0.37                      | 36 |
| 3    | 3.47                                 | 1.81               | 18,036                     | 18,372 | 22,975                                     | 0.15    | 0.37              | 0.14    | 0.14 | 0.16            | 0.17 | 0.28             | 0.38            | 0.34                      | 34 |
| 4    | 3.77                                 | 1.92               | 17,741                     | 18,214 | 22,458                                     | 0.18    | 0.52              | 0.14    | 0.14 | 0.16            | 0.17 | 0.28             | 0.37            | 0.34                      | 34 |
| 5    | 3.44                                 | 1.81               | 16,839                     | 17,939 | 22,643                                     | 0.18    | 0.39              | 0.13    | 0.14 | 0.16            | 0.17 | 0.26             | 0.38            | 0.35                      | 34 |
| 6    | 3.02                                 | 1.58               | 16,817                     | 17,752 | 19,721                                     | 0.17    | 0.34              | 0.13    | 0.14 | 0.16            | 0.17 | 0.24             | 0.41            | 0.34                      | 33 |
| 7    | 2.60                                 | 1.31               | 16,509                     | 17,575 | 15,912                                     | 0.17    | 0.28              | 0.13    | 0.14 | 0.15            | 0.16 | 0.23             | 0.43            | 0.34                      | 32 |
| 8    | 2.89                                 | 1.22               | 15,825                     | 17,356 | 15,292                                     | 0.16    | 0.27              | 0.13    | 0.14 | 0.15            | 0.16 | 0.22             | 0.42            | 0.33                      | 32 |
| 9    | 2.89                                 | 1.21               | 14,547                     | 17,044 | 16,989                                     | 0.17    | 0.30              | 0.13    | 0.14 | 0.15            | 0.16 | 0.20             | 0.42            | 0.31                      | 27 |
| 10   | 3.27                                 | 1.32               | 14,275                     | 16,767 | 20,828                                     | 0.29    | 0.34              | 0.13    | 0.14 | 0.15            | 0.16 | 0.18             | 0.42            | 0.30                      | 23 |
| 11   | 3.43                                 | 1.26               | 14,845                     | 16,592 | 20,261                                     | 0.20    | 0.46              | 0.13    | 0.14 | 0.15            | 0.16 | 0.19             | 0.46            | 0.24                      | 23 |
| 12   | 3.66                                 | 1.34               | 13,901                     | 16,368 | 19,683                                     | 0.00    | 0.63              | 0.13    | 0.13 | 0.15            | 0.16 | 0.18             | 0.44            | 0.22                      | 15 |
| 13   | 3.82                                 | 1.40               | 13,130                     | 16,119 | 17,392                                     | 0.00    | 0.70              | 0.13    | 0.13 | 0.15            | 0.16 | 0.17             | 0.43            | 0.22                      | 16 |
| 14   | 3.88                                 | 1.41               | 13,258                     | 15,915 | 13,525                                     | 0.00    | 0.73              | 0.14    | 0.13 | 0.15            | 0.15 | 0.17             | 0.40            | 0.23                      | 17 |
| 15   | 3.80                                 | 1.39               | 12,714                     | 15,701 | 12,737                                     | 0.00    | 0.75              | 0.14    | 0.13 | 0.15            | 0.15 | 0.17             | 0.41            | 0.23                      | 17 |
| 16   | 3.72                                 | 1.49               | 11,114                     | 15,414 | 12,490                                     | 0.22    | 0.80              | 0.15    | 0.13 | 0.15            | 0.15 | 0.17             | 0.42            | 0.24                      | 16 |
| 17   | 3.73                                 | 1.53               | 10,794                     | 15,143 | 12,141                                     | 0.27    | 1.03              | 0.15    | 0.14 | 0.15            | 0.15 | 0.17             | 0.45            | 0.23                      | 15 |
| 18   | 3.47                                 | 1.51               | 10,253                     | 14,871 | 11,545                                     | 0.00    | 0.96              | 0.15    | 0.14 | 0.15            | 0.15 | 0.30             | 0.42            | 0.23                      | 15 |
| 19   | 2.98                                 | 1.36               | 10,142                     | 14,622 | 11,068                                     | 0.00    | 0.86              | 0.15    | 0.14 | 0.15            | 0.15 | 0.30             | 0.45            | 0.22                      | 14 |
| 20   | 2.54                                 | 1.20               | 8,578                      | 14,320 | 10,601                                     | 0.00    | 0.77              | 0.15    | 0.14 | 0.15            | 0.15 | 0.30             | 0.50            | 0.23                      | 15 |
| 21   | 2.51                                 | 0.98               | 7,963                      | 14,017 | 10,308                                     | 0.00    | 0.69              | 0.15    | 0.14 | 0.15            | 0.15 | 0.30             | 0.53            | 0.23                      | 14 |
| 22   | 2.77                                 | 0.89               | 7,169                      | 13,706 | 9,725                                      | 0.00    | 0.71              | 0.15    | 0.14 | 0.15            | 0.15 | 0.30             | 0.60            | 0.23                      | 19 |
| 23   | 2.89                                 | 0.96               | 6,444                      | 13,390 | 8,939                                      | 0.00    | 0.95              | 0.15    | 0.14 | 0.15            | 0.15 | 0.30             | 0.63            | 0.23                      | 15 |
| 24   | 2.89                                 | 0.90               | 6,290                      | 13,094 | 8,623                                      | 0.23    | 1.20              | 0.15    | 0.14 | 0.16            | 0.15 | 0.30             | 0.64            | 0.23                      | 14 |
| 25   | 2.85                                 | 0.86               | 7,478                      | 12,870 | 8,288                                      | 0.26    | 1.52              | 0.15    | 0.15 | 0.16            | 0.15 | 0.30             | 0.59            | 0.23                      | 13 |
| 26   | 2.98                                 | 1.03               | 7,411                      | 12,660 | 7,458                                      | 0.37    | 2.35              | 0.16    | 0.15 | 0.16            | 0.15 | 0.30             | 0.54            | 0.22                      | 17 |
| 27   | 3.30                                 | 1.28               | 6,195                      | 12,420 | 7,697                                      | 0.54    | 3.41              | 0.18    | 0.15 | 0.17            | 0.15 | 0.30             | 0.47            | 0.22                      | 13 |
| 28   | 3.56                                 | 1.50               | 6,609                      | 12,213 | 9,238                                      | 0.67    | 4.09              | 0.22    | 0.16 | 0.19            | 0.16 | 0.30             | 0.38            | 0.22                      | 13 |
| 29   | 3.70                                 | 1.61               | 7,772                      | 12,060 | 10,072                                     | 0.73    | 4.53              | 0.25    | 0.17 | 0.20            | 0.16 | 0.30             | 0.36            | 0.22                      | 13 |
| 30   | 3.62                                 | 1.48               | 6,904                      | 11,888 | 10,401                                     | 0.64    | 4.29              | 0.25    | 0.17 | 0.21            | 0.16 | 0.30             | 0.37            | 0.24                      | 11 |

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

**Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP**

June 2003

| Sampling Location                                    | Sample Date<br>1/ | Chemical Detected              | Concentration<br>µg/l<br>2/ |
|--|-------------------|--------------------------------|-----------------------------|
| North Bay Aqueduct At Barker Slough Pumping Plant    | June 17, 2003     | None Detected                  |                             |
| California Aqueduct At Banks Pumping Plant           | June 17, 2003     | None Detected                  |                             |
| O'Niell Forebay Outlet Check 13                      | June 17, 2003     | None Detected                  |                             |
| Delta Mendota Canal At McCabe Road                   | June 17, 2003     | Methyl tert-butyl ether (MTBE) | 1                           |
| California Aqueduct Near Kettleman City (Check 21)   | June 17, 2003     | None Detected                  |                             |
| California Aqueduct At Tehachapi Afterbay (Check 41) | June 17, 2003     | None Detected                  |                             |

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

**Table 35. Oroville and Delta Field Divisions Energy Data**

(in kWh)

**June 2003**

| Date  | Oroville Thermalito Complex |      | Barker Slough Pumping Plant | Cordelia Pumping Plant Load | Banks Pumping Plant |            | South Bay Pumping Plant Load | Del Valle Pumping Plant Load |
|-------|-----------------------------|------|-----------------------------|-----------------------------|---------------------|------------|------------------------------|------------------------------|
|       | Generation                  | Load |                             |                             | Total Load          | SWP Load   |                              |                              |
| 1     | 7,047,072                   | 0    | 33,075                      | 27,146                      | 3,763,200           | 3,763,200  | 395,500                      | 271                          |
| 2     | 10,046,016                  | 0    | 34,622                      | 29,785                      | 3,645,312           | 3,645,312  | 414,115                      | 279                          |
| 3     | 9,355,104                   | 0    | 40,411                      | 32,179                      | 3,627,072           | 3,627,072  | 451,570                      | 239                          |
| 4     | 9,884,160                   | 0    | 39,970                      | 32,515                      | 3,646,848           | 3,646,848  | 439,165                      | 222                          |
| 5     | 7,977,312                   | 288  | 37,730                      | 31,913                      | 3,673,536           | 3,673,536  | 439,520                      | 213                          |
| 6     | 8,975,232                   | 0    | 35,574                      | 32,200                      | 3,702,720           | 3,702,720  | 439,155                      | 227                          |
| 7     | 6,080,544                   | 0    | 32,984                      | 29,883                      | 3,696,192           | 3,696,192  | 424,020                      | 232                          |
| 8     | 5,372,928                   | 0    | 36,526                      | 32,802                      | 3,644,928           | 3,644,928  | 408,450                      | 228                          |
| 9     | 8,195,616                   | 0    | 35,812                      | 31,752                      | 3,643,200           | 3,643,200  | 410,890                      | 236                          |
| 10    | 7,910,208                   | 0    | 45,213                      | 35,406                      | 3,675,264           | 3,675,264  | 412,030                      | 241                          |
| 11    | 7,674,048                   | 0    | 39,837                      | 34,055                      | 3,563,904           | 3,563,904  | 435,095                      | 233                          |
| 12    | 7,894,656                   | 0    | 37,898                      | 32,249                      | 3,407,232           | 3,407,232  | 434,130                      | 224                          |
| 13    | 7,892,064                   | 0    | 33,635                      | 32,620                      | 3,377,664           | 3,377,664  | 444,130                      | 229                          |
| 14    | 4,807,008                   | 0    | 37,261                      | 32,298                      | 3,194,496           | 3,194,496  | 487,185                      | 229                          |
| 15    | 3,117,600                   | 0    | 37,744                      | 32,991                      | 3,238,080           | 3,238,080  | 470,220                      | 235                          |
| 16    | 7,678,656                   | 0    | 33,054                      | 27,671                      | 3,666,432           | 3,666,432  | 454,645                      | 246                          |
| 17    | 7,624,800                   | 0    | 47,306                      | 34,720                      | 3,681,408           | 3,681,408  | 463,150                      | 244                          |
| 18    | 4,525,056                   | 0    | 40,117                      | 32,340                      | 3,659,712           | 3,659,712  | 485,695                      | 235                          |
| 19    | 4,510,368                   | 0    | 38,367                      | 32,137                      | 3,271,296           | 3,271,296  | 476,795                      | 238                          |
| 20    | 5,075,424                   | 0    | 36,806                      | 32,732                      | 3,646,080           | 3,646,080  | 440,345                      | 238                          |
| 21    | 2,670,624                   | 0    | 37,149                      | 31,857                      | 3,699,840           | 3,699,840  | 403,770                      | 236                          |
| 22    | 3,231,936                   | 0    | 36,848                      | 31,920                      | 3,704,448           | 3,704,448  | 400,675                      | 239                          |
| 23    | 5,064,192                   | 0    | 39,347                      | 32,088                      | 3,609,984           | 3,609,984  | 426,500                      | 258                          |
| 24    | 7,312,032                   | 0    | 39,585                      | 35,196                      | 3,537,216           | 3,537,216  | 454,225                      | 285                          |
| 25    | 9,769,536                   | 0    | 42,455                      | 35,399                      | 2,169,216           | 2,169,216  | 438,945                      | 283                          |
| 26    | 9,811,872                   | 0    | 49,371                      | 36,841                      | 1,889,088           | 1,889,088  | 429,195                      | 277                          |
| 27    | 12,926,880                  | 0    | 48,279                      | 39,879                      | 1,875,072           | 1,875,072  | 414,540                      | 291                          |
| 28    | 10,367,136                  | 0    | 48,545                      | 40,005                      | 1,898,304           | 1,898,304  | 397,260                      | 291                          |
| 29    | 9,376,704                   | 0    | 47,054                      | 35,588                      | 2,427,456           | 2,427,456  | 389,865                      | 269                          |
| 30    | 14,226,912                  | 0    | 46,445                      | 36,505                      | 3,699,072           | 3,699,072  | 390,890                      | 253                          |
| Total | 226,401,696                 | 288  | 1,189,020                   | 994,672                     | 99,934,272          | 99,934,272 | 12,971,670                   | 7,421                        |

**Table 36. San Luis Field Division Energy Data**

(in kWh)

June 2003

| Date  | Dos Amigos Pumping Plant |             | Gianelli Pumping-Generating Plant |                   |            |             |
|-------|--------------------------|-------------|-----------------------------------|-------------------|------------|-------------|
|       | Total Load               | SWP Load 1/ | Total Generation                  | SWP Generation 1/ | Total Load | SWP Load 1/ |
| 1     | 2,462,688                | 2,126,688   | 551,232                           | 551,232           | 7,200      | 7,200       |
| 2     | 2,105,136                | 1,775,136   | 328,896                           | 328,896           | 12,384     | 12,384      |
| 3     | 2,207,664                | 1,877,664   | 1,035,072                         | 1,035,072         | 11,520     | 11,520      |
| 4     | 2,164,896                | 1,834,896   | 1,662,336                         | 1,662,336         | 2,134,368  | 2,134,368   |
| 5     | 2,399,184                | 2,069,184   | 1,973,376                         | 1,973,376         | 2,453,760  | 2,453,760   |
| 6     | 2,452,608                | 2,122,608   | 1,929,312                         | 1,929,312         | 18,720     | 18,720      |
| 7     | 2,270,592                | 1,940,592   | 1,324,800                         | 1,324,800         | 337,248    | 337,248     |
| 8     | 2,587,392                | 2,251,392   | 0                                 | 0                 | 19,584     | 19,584      |
| 9     | 2,077,488                | 1,747,488   | 1,243,296                         | 919,296           | 389,088    | 389,088     |
| 10    | 2,188,080                | 1,858,080   | 1,019,232                         | 1,019,232         | 868,896    | 868,896     |
| 11    | 2,378,736                | 2,048,736   | 1,728,288                         | 1,728,288         | 2,754,144  | 2,754,144   |
| 12    | 2,315,232                | 1,985,232   | 1,836,864                         | 1,836,864         | 885,600    | 885,600     |
| 13    | 2,488,464                | 2,158,464   | 2,351,808                         | 1,603,808         | 442,656    | 442,656     |
| 14    | 2,481,408                | 2,151,408   | 2,928,096                         | 2,928,096         | 1,442,016  | 1,442,016   |
| 15    | 2,632,608                | 2,296,608   | 635,904                           | 635,904           | 14,688     | 14,688      |
| 16    | 2,217,024                | 1,887,024   | 2,744,640                         | 1,724,640         | 1,127,520  | 1,127,520   |
| 17    | 2,705,904                | 2,375,904   | 1,992,384                         | 1,992,384         | 1,233,216  | 1,233,216   |
| 18    | 2,793,024                | 2,463,024   | 2,197,728                         | 2,197,728         | 931,968    | 931,968     |
| 19    | 3,139,776                | 2,728,776   | 2,235,456                         | 1,623,456         | 6,336      | 6,336       |
| 20    | 2,932,272                | 2,521,272   | 2,098,368                         | 1,078,368         | 7,200      | 7,200       |
| 21    | 2,930,832                | 2,519,832   | 2,333,088                         | 1,313,088         | 4,608      | 4,608       |
| 22    | 3,032,784                | 2,624,784   | 1,847,808                         | 1,847,808         | 9,792      | 9,792       |
| 23    | 2,706,480                | 2,295,480   | 2,460,960                         | 1,576,960         | 7,488      | 7,488       |
| 24    | 2,588,832                | 1,691,832   | 705,024                           | 705,024           | 660,384    | 660,384     |
| 25    | 2,676,384                | 1,779,384   | 2,291,328                         | 1,271,328         | 9,504      | 9,504       |
| 26    | 2,698,272                | 1,639,272   | 2,883,744                         | 1,353,744         | 7,488      | 7,488       |
| 27    | 2,622,816                | 1,563,816   | 3,288,672                         | 1,308,672         | 7,488      | 7,488       |
| 28    | 2,500,272                | 1,441,272   | 3,252,096                         | 1,332,096         | 7,776      | 7,776       |
| 29    | 2,813,040                | 1,757,040   | 1,435,680                         | 505,680           | 7,488      | 7,488       |
| 30    | 2,376,864                | 1,317,864   | 1,893,024                         | -26,976           | 7,488      | 7,488       |
| Total | 75,946,752               | 60,850,752  | 54,208,512                        | 39,280,512        | 15,827,616 | 15,827,616  |

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

**Table 37. San Joaquin Field Division Pumping Plant Energy Load Data**

(in kWh)

June 2003

| Date  | Coastal Branch |             |            |           |           | California Aqueduct |            |            |             |
|-------|----------------|-------------|------------|-----------|-----------|---------------------|------------|------------|-------------|
|       | Las Perillas   | Badger Hill | Devils Den | Bluestone | Polonio   | Buena Vista         | Teerink    | Chrisman   | Edmonston   |
| 1     | 35,894         | 95,280      | 110,646    | 105,138   | 109,836   | 2,018,160           | 2,137,608  | 4,704,192  | 17,403,840  |
| 2     | 30,262         | 78,640      | 64,296     | 60,732    | 64,332    | 1,584,720           | 1,674,000  | 3,665,088  | 13,423,680  |
| 3     | 36,780         | 95,576      | 79,668     | 76,500    | 80,046    | 1,566,864           | 1,548,720  | 3,331,008  | 12,028,320  |
| 4     | 40,160         | 103,712     | 94,140     | 91,152    | 90,882    | 1,498,896           | 1,442,448  | 3,151,008  | 11,501,280  |
| 5     | 34,472         | 88,768      | 92,124     | 90,324    | 90,810    | 1,433,664           | 1,456,704  | 3,172,320  | 11,424,240  |
| 6     | 36,384         | 94,608      | 97,038     | 94,392    | 93,906    | 1,493,640           | 1,515,960  | 3,300,768  | 11,972,160  |
| 7     | 45,056         | 118,328     | 93,618     | 91,152    | 92,430    | 1,684,944           | 1,776,240  | 3,900,096  | 14,396,400  |
| 8     | 31,576         | 81,752      | 106,272    | 101,754   | 104,976   | 1,978,488           | 2,089,512  | 4,672,224  | 17,361,360  |
| 9     | 20,830         | 51,008      | 67,896     | 64,314    | 67,230    | 1,247,040           | 1,245,456  | 2,663,712  | 9,542,880   |
| 10    | 40,964         | 107,352     | 97,758     | 95,544    | 96,138    | 1,247,544           | 1,274,976  | 2,735,424  | 9,825,120   |
| 11    | 37,930         | 100,360     | 94,086     | 92,880    | 92,844    | 1,274,256           | 1,264,248  | 2,743,776  | 9,562,320   |
| 12    | 37,826         | 99,608      | 95,922     | 93,996    | 94,032    | 1,052,208           | 1,046,952  | 2,270,016  | 8,133,840   |
| 13    | 34,424         | 90,600      | 86,940     | 84,096    | 84,798    | 1,177,560           | 1,138,032  | 2,439,360  | 8,702,640   |
| 14    | 46,096         | 120,120     | 93,006     | 90,522    | 91,980    | 1,191,168           | 1,278,288  | 2,762,784  | 9,812,160   |
| 15    | 44,818         | 116,624     | 112,734    | 109,440   | 113,832   | 1,477,872           | 1,539,216  | 3,395,808  | 12,574,800  |
| 16    | 30,890         | 77,496      | 64,422     | 60,678    | 63,738    | 1,096,344           | 1,117,728  | 2,407,104  | 8,632,080   |
| 17    | 38,390         | 101,048     | 95,940     | 94,050    | 93,384    | 1,305,576           | 1,288,152  | 2,794,752  | 9,956,880   |
| 18    | 39,498         | 104,008     | 98,964     | 97,290    | 96,858    | 1,390,392           | 1,440,720  | 3,142,080  | 11,268,720  |
| 19    | 38,570         | 100,720     | 91,620     | 89,208    | 91,206    | 1,541,880           | 1,583,424  | 3,437,856  | 12,506,400  |
| 20    | 40,822         | 106,808     | 109,566    | 106,326   | 108,648   | 1,598,976           | 1,553,904  | 3,352,896  | 12,221,280  |
| 21    | 47,844         | 125,608     | 82,836     | 78,300    | 81,846    | 1,556,568           | 1,591,992  | 3,503,808  | 12,693,600  |
| 22    | 49,346         | 127,304     | 112,824    | 107,784   | 113,004   | 1,985,976           | 2,111,256  | 4,748,256  | 17,401,680  |
| 23    | 33,230         | 83,728      | 63,378     | 60,840    | 64,368    | 1,394,496           | 1,435,968  | 3,113,856  | 11,406,240  |
| 24    | 35,148         | 91,632      | 69,750     | 66,132    | 68,922    | 1,390,104           | 1,437,120  | 3,132,288  | 10,944,720  |
| 25    | 34,964         | 91,504      | 68,274     | 64,818    | 68,958    | 1,281,888           | 1,299,744  | 2,795,616  | 10,026,720  |
| 26    | 36,178         | 96,392      | 84,150     | 81,432    | 82,926    | 1,383,552           | 1,349,064  | 2,950,272  | 10,665,360  |
| 27    | 36,860         | 98,544      | 79,182     | 76,284    | 79,974    | 1,439,136           | 1,472,688  | 3,173,184  | 11,324,160  |
| 28    | 44,890         | 118,040     | 82,566     | 79,452    | 82,062    | 1,448,784           | 1,442,880  | 3,142,656  | 11,412,000  |
| 29    | 43,938         | 116,824     | 95,130     | 90,774    | 95,724    | 1,768,536           | 1,824,336  | 4,008,672  | 14,891,040  |
| 30    | 32,078         | 83,352      | 51,858     | 49,374    | 52,542    | 1,251,000           | 1,316,448  | 2,890,368  | 10,288,800  |
| Total | 1,136,118      | 2,965,344   | 2,636,604  | 2,544,678 | 2,612,232 | 43,760,232          | 44,693,784 | 97,501,248 | 353,304,720 |

**Table 38. Southern Field Division Energy Data**

June 2003

(in kWh)

| Date  | West Branch                  |                                   |   | East Branch                       |                                      |  |   |
|-------|------------------------------|-----------------------------------|---|-----------------------------------|--------------------------------------|--|---|
|       | Oso<br>Pumping Plant<br>Load | Warne<br>Powerplant<br>Generation | Castaic<br>Powerplant<br>SWP Generation | Alamo<br>Powerplant<br>Generation | Pearblossom<br>Pumping Plant<br>Load | Devil Canyon<br>Powerplant<br>Generation | Mojave Siphon<br>Powerplant<br>Generation |
| 1     | 855,288                      | 1,280,448                         | 2,880,000                               | 0                                 | 2,663,592                            | 3,942,336                                | 298,578                                   |
| 2     | 644,336                      | 1,460,880                         | 2,880,000                               | 0                                 | 2,192,568                            | 3,763,872                                | 238,203                                   |
| 3     | 522,592                      | 1,452,240                         | 2,880,000                               | 78,260                            | 1,955,496                            | 3,662,976                                | 230,307                                   |
| 4     | 574,560                      | 1,355,328                         | 2,880,000                               | 0                                 | 1,783,416                            | 3,535,008                                | 228,354                                   |
| 5     | 584,472                      | 1,380,960                         | 2,880,000                               | 126,000                           | 1,623,240                            | 3,470,304                                | 127,764                                   |
| 6     | 519,008                      | 1,272,240                         | 2,880,000                               | 337,456                           | 2,017,944                            | 3,687,168                                | 268,884                                   |
| 7     | 718,536                      | 1,591,488                         | 2,880,000                               | 389,928                           | 2,230,584                            | 3,756,480                                | 254,289                                   |
| 8     | 1,008,896                    | 1,584,864                         | 2,880,000                               | 398,328                           | 2,293,812                            | 3,715,392                                | 231,546                                   |
| 9     | 173,096                      | 591,840                           | 960,000                                 | 105,336                           | 2,160,156                            | 3,774,720                                | 270,333                                   |
| 10    | 241,696                      | 589,968                           | 960,000                                 | 251,412                           | 2,105,748                            | 3,758,496                                | 242,382                                   |
| 11    | 173,768                      | 668,232                           | 960,000                                 | 328,188                           | 2,125,596                            | 3,731,616                                | 235,347                                   |
| 12    | 195,776                      | 681,912                           | 960,000                                 | 265,748                           | 1,749,648                            | 3,352,896                                | 188,181                                   |
| 13    | 261,632                      | 570,168                           | 960,000                                 | 280,336                           | 1,672,476                            | 3,288,864                                | 197,862                                   |
| 14    | 341,488                      | 587,088                           | 960,000                                 | 343,112                           | 1,738,800                            | 3,224,640                                | 190,722                                   |
| 15    | 671,888                      | 644,040                           | 960,000                                 | 364,644                           | 1,646,844                            | 2,976,672                                | 183,246                                   |
| 16    | 424,816                      | 1,184,976                         | 1,920,000                               | 269,780                           | 1,385,544                            | 3,298,176                                | 150,360                                   |
| 17    | 431,368                      | 1,152,216                         | 1,920,000                               | 238,728                           | 1,664,040                            | 3,254,784                                | 190,029                                   |
| 18    | 481,768                      | 1,195,416                         | 1,920,000                               | 309,680                           | 1,903,716                            | 3,616,032                                | 226,065                                   |
| 19    | 517,944                      | 1,197,864                         | 1,920,000                               | 348,208                           | 2,017,692                            | 3,722,304                                | 241,353                                   |
| 20    | 590,576                      | 1,349,280                         | 1,920,000                               | 308,056                           | 1,917,924                            | 3,672,000                                | 182,847                                   |
| 21    | 897,288                      | 1,242,072                         | 1,920,000                               | 266,532                           | 1,160,412                            | 3,624,960                                | 53,235                                    |
| 22    | 839,216                      | 1,270,800                         | 1,920,000                               | 380,044                           | 2,660,460                            | 3,477,120                                | 323,694                                   |
| 23    | 446,152                      | 1,427,256                         | 1,920,000                               | 347,592                           | 2,268,540                            | 3,452,256                                | 290,493                                   |
| 24    | 481,096                      | 1,235,016                         | 1,920,000                               | 257,684                           | 1,917,936                            | 3,217,632                                | 227,766                                   |
| 25    | 434,224                      | 1,208,304                         | 1,920,000                               | 226,296                           | 1,745,184                            | 3,071,040                                | 209,979                                   |
| 26    | 464,128                      | 1,193,616                         | 1,920,000                               | 261,408                           | 1,722,228                            | 3,382,848                                | 202,293                                   |
| 27    | 541,240                      | 1,239,984                         | 1,920,000                               | 288,568                           | 1,780,296                            | 3,183,552                                | 219,576                                   |
| 28    | 591,080                      | 1,175,688                         | 1,920,000                               | 289,408                           | 1,742,820                            | 2,902,080                                | 207,900                                   |
| 29    | 842,408                      | 1,188,504                         | 1,920,000                               | 380,268                           | 1,933,812                            | 3,472,224                                | 216,615                                   |
| 30    | 457,744                      | 1,055,448                         | 1,920,000                               | 286,216                           | 1,597,392                            | 3,576,288                                | 185,325                                   |
| Total | 15,928,080                   | 34,028,136                        | 58,560,000                              | 7,727,216                         | 57,377,916                           | 104,564,736                              | 6,513,528                                 |